

# Progress Codes



REFERENCE  
86 A1 48EV 03



# ESCALA

## Progress Codes

### Hardware

November 2008

BULL CEDOC  
357 AVENUE PATTON  
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49008 ANGERS CEDEX 01  
FRANCE

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## 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.

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

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#### 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:

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#### CAUTION:

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

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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.

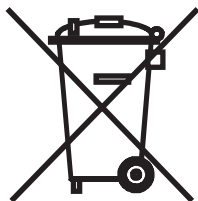
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The dc-powered system employs an isolated DC return (DC-I) design. The DC battery return terminal *shall not* be connected to the chassis or frame ground.

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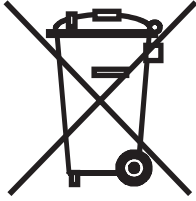
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For Taiwan:



Please recycle batteries 廢電池請回收

For the European Union:



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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.

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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.

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If this product contains a water cooling system, the following paragraph applies: The system contains 0.1% Benzotriazole Aqueous Solution supplied by Sigma Aldrich Corporation. A Safety Data Sheet is supplied with the product, which should be referenced for first aid, handling, personal protection, disposal, and other relevant information. This chemical solution is classified as nonhazardous according to European Union Directive 67/548/EEC; however, it is recommended that eye protection be used when handling the chemical. Observe all federal, provincial, state, local, and other applicable environmental regulations for disposal. Contact a licensed professional waste disposal service to dispose of this material. If an additional copy of the Safety Data Sheet is required, please send the request to [prodinfo@us.ibm.com](mailto:prodinfo@us.ibm.com).



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## 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 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.

2E6	The PCI Differential Ultra SCSI adapter or the Universal PCI Differential Ultra SCSI adapter being configured.	501	Querying card in Slot 1.
2E7	Configuration method unable to determine if the SCSI adapter type is SE or DE type.	502	Querying card in Slot 2.
440	9.1GB Ultra SCSI Disk Drive being identified or configured.	503	Querying card in Slot 3.
441	18.2 GB Ultra SCSI Disk Drive being identified or configured.	504	Querying card in Slot 4.
444	2-Port Multiprotocol PCI Adapter (ASIC) being identified or configured.	505	Querying card in Slot 5.
447	PCI 64-bit Fibre Channel Arbitrated Loop Adapter being configured.	506	Querying card in Slot 6.
458	36 GB DAT72 Tape Drive	507	Querying card in Slot 7.
459	36 GB DAT72 Tape Drive	508	Querying card in Slot 8.
45D	200 GB HH LTO2 Tape drive	510	Starting device configuration.
500	Querying Standard I/O slot.	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.	530	The savebase program returned an error.
517	Mounting client remote file system during network IPL.	531	The configuration manager is unable to access the PdAt object class (irrecoverable error).
518	Remote mount of the root (/) and /usr file systems failed during network boot.	532	There is not enough memory to continue (malloc failure); irrecoverable error.
520	Bus configuration running.	533	The configuration manager could not find a configuration method for a device.
521	/etc/init invoked cfgmgr with invalid options; /etc/init has been corrupted or incorrectly modified (irrecoverable error).	534	The configuration manager could not find a configuration method for a device.
522	The configuration manager has been invoked with conflicting options (irrecoverable error).	535	HIPPI diagnostics interface driver being configured.
523	The configuration manager is unable to access the ODM database (irrecoverable error).	536	The configuration manager encountered more than one sequence rule specified in the same phase (irrecoverable error).
524	The configuration manager is unable to access the config.rules object in the ODM database (irrecoverable error).	537	The configuration manager encountered an error when invoking the program in the sequence rule.
525	The configuration manager is unable to get data from a customized device object in the ODM database (irrecoverable error).	538	The configuration manager is going to invoke a configuration method.
526	The configuration manager is unable to get data from a customized device driver object in the ODM database (irrecoverable error).	539	The configuration method has terminated, and control has returned to the configuration manager.
527	The configuration manager was invoked with the phase 1 flag; running phase 1 at this point is not permitted (irrecoverable error).	541	A DLT tape device is being configured.
528	The configuration manager cannot find sequence rule, or no program name was specified in the ODM database (irrecoverable error).	542	7208-345 60 GB tape drive, 7334-410 60 GB tape drive
529	The configuration manager is unable to update ODM data (irrecoverable error).	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.	578	Generic commo device driver being configured.
554	The boot device could not be opened or read, or unable to define NFS swap device during network boot.	579	Device driver being configured for a generic device.
555	An ODM error occurred when trying to vary-on the rootvg, or unable to create an NFS swap device during network boot.	580	HIPPI TCP/IP network interface driver being configured.
556	Logical Volume Manager encountered error during IPL vary-on.	581	Configuring TCP/IP.
557	The root file system does not mount.	582	Configuring Token-Ring data link control.
558	There is not enough memory to continue the system IPL.	583	Configuring an Ethernet data link control.
559	Less than 2 MB of good memory are available to load the AIX kernel.	584	Configuring an IEEE Ethernet data link control.
569	FCS SCSI protocol device is being configured (32 bits).	585	Configuring an SDLC MPQP data link control.
570	Virtual SCSI devices being configured.	586	Configuring a QLLC X.25 data link control.
571	HIPPI common function device driver being configured.	587	Configuring a NETBIOS.
572	HIPPI IPI-3 master transport driver being configured.	588	Configuring a Bisync Read-Write (BSCRW).
573	HIPPI IPI-3 slave transport driver being configured.	589	SCSI target mode device being configured.
574	HIPPI IPI-3 transport services user interface device driver being configured.	590	Diskless remote paging device being configured.
575	A 9570 disk-array driver being configured.	591	Configuring an LVM device driver.
576	Generic async device driver being configured.	592	Configuring an HFT device driver.
577	Generic SCSI device driver being configured.	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.	606	Running /usr/sbin/ifconfig on logical network boot device.
597	OCS software being configured.	607	/usr/sbin/ifconfig failed.
598	OCS hosts being configured during system reboot.	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.
599	Configuring FDDI data link control.	609	The client.info file does not exist or it is zero length.
59B	FCS SCSI protocol device being configured (64 bits).	60B	18.2 GB 68-pin LVD SCSI Disk Drive being configured.
5C0	Streams-based hardware drive being configured.	610	Attempting remote mount of NFS file system.
5C1	Streams-based X.25 protocol being configured.	611	Remote mount of the NFS file system failed.
5C2	Streams-based X.25 COMIO emulator driver being configured.	612	Accessing remote files; unconfiguring network boot device.
5C3	Streams-based X.25 TCP/IP interface driver being configured.	613	8 mm 80 GB VXA-2 tape device
5C4	FCS adapter device driver being configured.	614	Configuring local paging devices.
5C5	SCB network device driver for FCS being configured.	615	Configuration of a local paging device failed.
5C6	AIX SNA channel being configured.	616	Converting from diskless to dataless configuration.
600	Starting network boot portion of /sbin/rc.boot.	617	Diskless to dataless configuration failed.
602	Configuring network parent devices.	618	Configuring remote (NFS) paging devices.
603	/usr/lib/methods/defsyst, /usr/lib/methods/cfgsys, or /usr/lib/methods/cfgbus failed.	619	Configuration of a remote (NFS) paging device failed.
604	Configuring physical network boot device.	61B	36.4 GB 80-pin LVD SCSI Disk Drive being configured.
605	Configuration of physical network boot device failed.		



61D	36.4 GB 80-pin LVD SCSI Disk Drive being configured.	63F	See 61B.
61E	18.2 GB 68-pin LVD SCSI Disk Drive being configured.	640	9.1 GB 10K RPM Ultra SCSI Disk Drive (80-pin).
620	Updating special device files and ODM in permanent file system with data from boot RAM file system.	643	18.2 GB LVD 80-pin SCA-2 connector SCSI Disk Drive being configured.
621	9.1 GB LVD 80-pin SCSI Drive being configured.	646	High-Speed Token-Ring PCI Adapter being configured.
622	Boot process configuring for operating system installation.	64A	See 62E.
62D	9.1 GB 68-pin LVD SCSI Disk Drive being configured.	64B	9.1 GB 80-pin LVD SCSI Disk Drive being configured.
62E	9.1GB 68-pin LVD SCSI Disk Drive being configured.	64C	See 61E.
636	TURBOWAYS™ 622 Mbps PCI MMF ATM Adapter.	64D	18.2 GB LVD 80-pin Drive/Carrier being configured.
637	Dual Channel PCI-2 Ultra2 SCSI Adapter being configured.	64E	36.4 GB 68-pin LVD SCSI Disk Drive being configured.
638	4.5 GB Ultra SCSI Single Ended Disk Drive being configured.	64F	See 61D.
639	9.1 GB 10K RPM Ultra SCSI Disk Drive (68-pin).	650	SCSD disk drive being configured.
63A	See 62D.	653	18.2 GB Ultra-SCSI 16-bit Disk Drive being configured.
63B	9.1 GB 80-pin LVD SCSI Disk Drive being configured.	655	GXT130P Graphics adapter being configured.
63C	See 60B.	657	GXT2000P graphics adapter being configured.
63D	18.2 GB 80-pin LVD SCSI Disk Drive being configured.	659	2102 Fibre Channel Disk Subsystem Controller Drawer being identified or configured.
63E	36.4 GB 68-pin LVD SCSI Disk Drive being 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.	700	A 1.1 GB 8-bit SCSI disk drive being identified or configured.
669	PCI Gigabit Ethernet Adapter being configured.	701	A 1.1 GB 16-bit SCSI disk drive being identified or configured.
66A	PCI Gigabit Ethernet Adapter being configured.	702	A 1.1 GB 16-bit differential SCSI disk drive being identified or configured.
66C	10/100/1000 Base-T Ethernet PCI Adapter.	703	A 2.2 GB 8-bit SCSI disk drive being identified or configured.
66D	PCI 4-Channel Ultra-3 SCSI RAID Adapter.	703	A 2.2 GB 16-bit SCSI disk drive being identified or configured.
66E	4.7 GB DVD-RAM drive.	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.
674	ESCON™ Channel PCI Adapter being configured.	706	A 4.5 GB 16-bit SCSI disk drive being identified or configured.
678	12 GB 4 mm SCSI tape drive	707	A 4.5 GB 16-bit differential SCSI disk drive being identified or configured.
67B	PCI Cryptographic Coprocessor being configured.	708	An L2 cache being identified or configured.
682	20x (MAX) SCSI-2 CD-ROM Drive being configured.	709	128 port ISA adapter being configured
689	4.5 GB Ultra SCSI Single Ended Disk Drive being configured.	710	POWER GXT150M graphics adapter being identified or configured.
68C	20 GB 4-mm Tape Drive being configured.	711	Unknown adapter being identified or configured.
68E	POWER GXT6000P PCI Graphics Adapter.	712	Graphics slot bus configuration is executing.
690	9.1 GB Ultra SCSI Single Ended Disk Drive being configured.	713	The IBM ARTIC960 device being configured.
69B	64-bit/66 MHz PCI ATM 155 MMF PCI adapter being configured.	714	A video capture adapter being configured.
69D	64-bit/66 MHz PCI ATM 155 UTP PCI adapter being configured.	717	TP Ethernet Adapter being configured.
66CC	SSA disk drive being configured.		

718	GXT500 Graphics Adapter being configured.	741	1080 MB SCSI Disk Drive being configured.
720	Unknown read/write optical drive type being configured.	745	16 GB 4-mm Tape Auto Loader being configured.
721	Unknown disk or SCSI device being identified or configured.	746	SCSI-2 Fast/Wide PCI Adapter being configured.
722	Unknown disk drive being identified or configured.	747	SCSI-2 Differential Fast/Wide PCI Adapter being configured.
723	Unknown CD-ROM drive being identified or configured.	749	7331 Model 205 Tape Library being configured.
724	Unknown tape drive being identified or configured.	751	SCSI 32-bit SE F/W RAID Adapter being configured.
725	Unknown display adapter being identified or configured.	754	1.1 GB 16-bit SCSI disk drive being configured.
726	Unknown input device being identified or configured.	755	2.2 GB 16-bit SCSI disk drive being configured.
727	Unknown async device being identified or configured.	756	4.5 GB 16-bit SCSI disk drive being configured.
728	Parallel printer being identified or configured.	757	External 13 GB 1/4-inch tape being configured.
729	Unknown parallel device being identified or configured.	763	SP Switch MX Adapter being configured.
730	Unknown diskette drive being identified or configured.	764	SP System Attachment Adapter being configured.
731	PTY being identified or configured.	772	4.5 GB SCSI F/W Disk Drive being configured.
732	Unknown SCSI initiator type being configured.	773	9.1 GB SCSI F/W Disk Drive being configured.
733	7 GB 8-mm tape drive being configured.	774	9.1 GB External SCSI Disk Drive being configured.
734	4x SCSI-2 640 MB CD-ROM Drive being configured.	776	PCI Token-Ring Adapter being identified or configured.
736	Quiet Touch keyboard and speaker cable being configured.		

777	10/100 Ethernet Tx PCI Adapter being identified or configured.	803	7336 Tape Library robotics being configured.
778	POWER GXT3000P 3D PCI Graphics adapter being configured.	804	8x Speed SCSI-2 CD-ROM Drive being configured.
77B	4-Port 10/100 Ethernet Tx PCI Adapter being identified or configured.	806	POWER GXT800 PCI Graphics adapter being configured.
77C	A 1.0 GB 16-bit SCSI disk drive being identified or configured.	807	SCSI Device Enclosure being configured.
783	4-mm DDS-2 Tape Autoloader being configured.	80C	SSA 4-Port Adapter being identified or configured.
789	2.6 GB External Optical Drive being configured.	811	Processor complex being identified or configured.
78B	POWER GXT4000P PCI Graphics Adapter.	812	Memory being identified or configured.
78D	GXT300P 2D Graphics adapter being 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.
790	Multi-bus Integrated Ethernet Adapter being identified or configured.	814	NVRAM being identified or configured.
797	TURBOWAYS 155 UTP/STP ATM Adapter being identified or configured.	815	Floating-point processor test.
798	Video streamer adapter being identified or configured.	816	Operator panel logic being identified or configured.
799	2-Port Multiprotocol PCI adapter being identified or configured.	817	Time-of-day logic being identified or configured.
79C	ISA bus configuration executing.	819	Graphics input device adapter being identified or configured.
7C0	CPU/System Interface being configured.	821	Standard keyboard adapter being identified or configured.
7C1	Business Audio Subsystem being identified or configured.	823	Standard mouse adapter being identified or configured.
7CC	PCMCIA bus configuration executing.	824	Standard tablet adapter being identified or configured.
800	TURBOWAYS 155 MMF ATM Adapter being identified or configured.		

825	Standard speaker adapter being identified or configured.	845	7135 RAIDiant Array disk drive subsystem drawer being identified or configured.
826	Serial Port 1 adapter being identified or configured.	846	RAIDiant Array SCSI 1.3 GB Disk Drive being configured.
827	Parallel port adapter being identified or configured.	847	16-port serial adapter (EIA-232) being identified or configured.
828	Standard diskette adapter being identified or configured.	848	16-port serial adapter (EIA-422) being identified or configured.
831	3151 adapter being identified or configured, or Serial Port 2 being identified or configured.	849	X.25 Interface Coprocessor/2 adapter being identified or configured.
834	64-port async controller being identified or configured.	850	Token-Ring network adapter being identified or configured.
835	16-port async concentrator being identified or configured.	851	T1/J1 Portmaster adapter being identified or configured.
836	128-port async controller being identified or configured.	852	Ethernet adapter being identified or configured.
837	A 128-port remote asynchronous node (RAN) is being identified or configured.	854	3270 Host Connection Program/6000 connection being identified or configured.
838	Network Terminal Accelerator Adapter being identified or configured.	855	Portmaster Adapter/A being identified or configured.
839	7318 Serial Communications Server being configured.	857	FSLA adapter being identified or configured.
840	PCI Single-Ended Ultra SCSI Adapter being configured.	858	5085/5086/5088 adapter being identified or configured.
841	8-port async adapter (EIA-232) being identified or configured.	859	FDDI adapter being identified or configured.
842	8-port async adapter (EIA-422A) being identified or configured.	85C	Token-Ring High-Performance LAN adapter being identified or configured.
843	8-port async adapter (MIL-STD-188) being identified or configured.	861	Optical adapter being identified or configured.
844	7135 RAIDiant Array disk drive subsystem controller being identified or configured.	862	Block Multiplexer Channel Adapter being identified or configured.

865	ESCON Channel Adapter or emulator being identified or configured.	889	SCSI adapter being identified or configured.
866	SCSI adapter being identified or configured.	890	SCSI-2 Differential Fast/Wide and Single-Ended Fast/Wide Adapter/A being configured.
867	Async expansion adapter being identified or configured.	891	Vendor SCSI adapter being identified or configured.
868	SCSI adapter being identified or configured.	892	Vendor display adapter being identified or configured.
869	SCSI adapter being identified or configured.	893	Vendor LAN adapter being identified or configured.
870	Serial disk drive adapter being identified or configured.	894	Vendor async/communications adapter being identified or configured.
871	Graphics subsystem adapter being identified or configured.	895	Vendor IEEE 488 adapter being identified or configured.
872	Grayscale graphics adapter being identified or configured.	896	Vendor VME bus adapter being identified or configured.
874	Color graphics adapter being identified or configured.	897	S/370 Channel Emulator adapter being identified or configured.
875	Vendor generic communication adapter being configured.	898	POWER Gt1x graphics adapter being identified or configured.
876	8-bit color graphics processor being identified or configured.	899	3490 attached tape drive being identified or configured.
877	POWER Gt3/POWER Gt4 being identified or configured.	89C	A multimedia SCSI CD-ROM being identified or configured.
878	POWER Gt4 graphics processor card being configured.	900	GXT110P Graphics Adapter being identified or configured.
879	A 24-bit color MEV2 type graphics card is being configured.	901	Vendor SCSI device being identified or configured.
880	POWER Gt1 adapter being identified or configured.	902	Vendor display device being identified or configured.
887	POWER Gt1 adapter being identified or configured.	903	Vendor async device being identified or configured.

904	Vendor parallel device being identified or configured.	924	Two-button mouse being identified or configured.
905	A vendor (non-IBM) adapter is being identified or configured.	925	Three-button mouse being identified or configured.
908	POWER GXT1000™ Graphics subsystem being identified or configured.	926	5083 tablet being identified or configured.
910	1/4 GB Fiber Channel/266 Standard Adapter being identified or configured.	927	5083 tablet being identified or configured.
911	Fiber Channel/1063 Adapter Short Wave being configured.	928	Standard speaker being identified or configured.
912	2.0 GB SCSI-2 differential disk drive being identified or configured.	929	Dials being identified or configured.
913	1.0 GB differential disk drive being identified or configured.	930	Lighted program function keys (LPGK) being identified or configured.
914	5 GB 8-mm differential tape drive being identified or configured.	931	IP router being identified or configured.
915	4 GB 4-mm tape drive being identified or configured.	933	Async planar being identified or configured.
916	A generic (non-IBM) Non-SCSI tape drive adapter is being identified or configured.	934	Async expansion drawer being identified or configured.
917	A 2.0 GB 16-bit differential SCSI disk drive being identified or configured.	935	3.5-inch diskette drive being identified or configured.
918	A 2.0 GB 16-bit single-ended SCSI disk drive being identified or configured.	936	5.25-inch diskette drive being identified or configured.
920	Bridge Box being identified or configured.	937	An HIPPI adapter being configured.
921	101 keyboard being identified or configured.	938	Serial HIPPI PCI adapter being configured.
922	102 keyboard being identified or configured.	942	Serial HIPPI PCI adapter being configured.
923	Kanji keyboard being identified or 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.

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945	1.0 GB SCSI differential disk drive being identified or configured.
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946	A generic (non-IBM) Serial Port 3 adapter is being identified or configured.
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947	A 730 MB SCSI disk drive being configured.
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948	Portable disk drive being identified or configured.
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949	Unknown direct bus-attach device being identified or configured.
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950	Missing SCSI device being identified or configured.
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951	670 MB SCSI disk drive being identified or configured.
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952	355 MB SCSI disk drive being identified or configured.
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953	320 MB SCSI disk drive being identified or configured.
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954	400 MB SCSI disk drive being identified or configured.
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955	857 MB SCSI disk drive being identified or configured.
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956	670 MB SCSI disk drive electronics card being identified or configured.
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957	120 MB DBA disk drive being identified or configured.
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958	160 MB Database Administrator (DBA) disk drive being identified or configured.
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959	160 MB SCSI disk drive being identified or configured.
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960	1.37 GB SCSI disk drive being identified or configured.
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964	Internal 20 GB 8-mm tape drive identified or configured.
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968	1.0 GB SCSI disk drive being identified or configured.
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970	Half-inch, 9-track tape drive being identified or configured.
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971	150 MB 1/4-inch tape drive being identified or configured.
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972	2.3 GB 8-mm SCSI tape drive being identified or configured.
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973	Other SCSI tape drive being identified or configured.
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974	CD-ROM drive being identified or configured.
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975	An optical disk drive being identified or configured.
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977	M-Audio Capture and Playback Adapter being identified or configured.
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981	540 MB SCSI-2 single-ended disk drive being identified or configured.
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984	1 GB 8-bit disk drive being identified or configured.
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985	M-Video Capture Adapter being identified or configured.
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986	2.4 GB SCSI disk drive being identified or configured.
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987	An Enhanced SCSI CD-ROM drive being identified or configured.
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989	200 MB SCSI disk drive being identified or configured.
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990	2.0 GB SCSI-2 single-ended disk drive being identified or configured.
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991	525 MB 1/4-inch cartridge tape drive being identified or configured.	2014	Configuring MR-1750 (device model 1750) iscsi
994	5 GB 8-mm tape drive being identified or configured.	2015	Configuring SVC (device model 2145) fcp
995	1.2GB 1/4-inch cartridge tape drive being identified or configured.	2016	Configuring SVCCISCO (device model 2062) fcp
996	A single-port, multiprotocol communications adapter being identified or configured.	2017	Configuring SVCCISCO (device model 2062) iscsi
997	FDDI adapter being identified or configured.	2018	Configuring Virtual Management Channel driver
998	2.0 GB 4-mm tape drive being identified or configured.	2019	Configuring vty server
999	7137 or 3514 Disk Array Subsystem being configured.	201B	Configuring a virtual SCSI optical device
D46	Token-Ring cable.	2020	Configuring InfiniBand™ ICM kernel component
D81	T2 Ethernet Adapter being configured.	2021	Configuring TCP InfiniBand Interface kernel component
2000	Dynamic LPAR CPU Addition	2502	Configuring PCI-X 266 Planar 3 GB SAS integrated adapter
2001	Dynamic LPAR CPU Removal	2503	Configuring PCI-X 266 Planar 3 GB SAS RAID integrated adapter
2002	Dynamic LPAR Memory Addition	2504	Configuring a PCI-Express x1 Auxiliary Cache adapter
2003	Dynamic LPAR Memory Removal	2505	Configuring a PCI-X266 Planar 3Gb SAS RAID Adapter
2004	DLPAR Maximum Memory size too large	2512	Configuring PCI-X DDR quad channel Ultra320 SCSI RAID adapter
2010	HTX miscompare	2513	Configuring PCI-X DDR quad channel Ultra320 SCSI RAID adapter
2011	Configuring device model 2107 fcp	2514	Configuring PCI-X DDR quad channel Ultra320 SCSI RAID adapter
2012	Configuring device model 2107 iscsi		
2013	Configuring MR-1750 (device model 1750) fcp		

2515	Configuring a PCI-X DDR JBOD SAS adapter	2532	Configuring 10 Gigabit-SR Ethernet PCI-X adapter
2516	Configuring a PCI-X Express DDR JBOD SAS adapter	2533	10 GB Ethernet -SR PCI-X 2.0 DDR adapter being configured
2517	Configuring PCI-XDDR RAID SAS adapter	2534	10 GB Ethernet -LR PCI-X 2.0 DDR adapter being configured
2518	Configuring PCI-Express RAID SAS adapter	2535	4-Port 10/100/1000 Base-TX Ethernet PCI-X Adapter being configured.
2520	PCI Dual-Channel Ultra-3 SCSI adapter being identified or configured.	2547	Generic 522 bites per sector SCSI JBOD (not osdisk) Disk Drive
2522	PCI-X Dual Channel Ultra320 SCSI Adapter	254E	Fibre Channel Expansion Card
2523	PCI-X Ultra320 SCSI RAID Adapter	2550	Configuring a POWER GXT4500P graphics adapter
2525	Configuring integrated PCI-X dual channel U320 SCSI RAID enablement card.	2551	Configuring a POWER GXT6500P graphics adapter
2526	PCI-X Ultra320 SCSI RAID Battery Pack	2562	Keyboard/Mouse Attachment Card-PCI being configured.
2527	PCI-X Quad Channel U320 SCSI RAID Adapter	2564	Keyboard/Mouse Attachment Card-PCI being configured.
2528	PCI-X Dual Channel Ultra320 SCSI adapter	2566	USB 3.5 inch Micro Diskette Drive
2529	PCI-X Dual Channel Ultra320 SCSI RAID adapter	2568	Generic USB CD-ROM Drive
252B	PCI-X Dual Channel Ultra320 SCSI RAID adapter	256E	Configuring a 4-port 10/100/1000 Base-TX PCI express adapter
252D	PCI-X DDR Dual Channel Ultra320 SCSI RAID adapter	2570	Configuring an IBM cryptographic accelerator PCI adapter
2530	10/100 Mbps Ethernet PCI Adapter II being configured.	2571	2-Port PCI Asynchronous EIA-232 Adapter
2531	Configuring 10 Gigabit-LR Ethernet PCI-X 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	25D0	Configuring a PCI audio adapter
2583	1 GB iSCSI TOE PCI-X adapter being configured (copper connector)	25D2	LSI SAS adapter
2584	IDE DVD-RAM drive being configured	25F8	Configuring a 1 GB PCI-X iSCSI TOE Ethernet adapter (copper)
2585	IDE DVD-ROM drive being configured	2600	PCI 64-bit Fibre Channel Arbitrated Loop Adapter being configured.
2586	Configuring host Ethernet adapter	2601	PCI 64-bit Fibre Channel Arbitrated Loop Adapter being configured.
2587	Configuring a slimline DVD-ROM drive	2602	PCI 64-Bit 4 GB fibre channel adapter
2588	Configuring a 4.7 GB slimline DVD-RAM drive	2611	36/72 GB 4 mm internal tape drive
2590	IDE CD-ROM drive being configured	2612	80/160 GB internal tape drive with VXA2 technology
2591	IDE DVD-ROM drive being configured.	2613	200/400 GB LTO2 Tape drive
2592	IDE DVD-ROM drive being configured.	2614	VXA3 160/320 GB Tape Drive
2593	IDE DVD-RAM drive being configured.	2615	Configuring a DAT160 80GB tape drive
2594	4.7 GB IDE slimline DVD-RAM drive	2616	Configuring a 36/72GB 4mm Internal Tape Drive
2595	IDE slimline DVD-ROM drive	2617	Configuring a LTO3 400 GB tape drive
25A0	I/O Planar Control Logic for IDE devices	2618	Configuring a SAS 400 GB/1.6 TB Ultrium 4 tape drive
25B9	Ethernet Adapter (Fiber)	2621	PCI-X Dual-port 4x HCA Adapter being configured
25C0	Gigabit Ethernet-SX PCI-X adapter	2624	4X PCI-E DDR InfiniBand Host Channel adapter
25C1	10/100/1000 base-TX Ethernet PCI-X adapter	2631	Integrated IDE controller
25C2	Dual Port Gigabit SX Ethernet PCI-X Adapter	2640	IDE Disk Drive, 2.5 inch
25C3	10/100/1000 Base-TX Dual Port PCI-Adapter	2641	73 GB SCSI disk drive 68 pin 10K rpm being identified or configured.
25C4	Broadcom Dual-Port Gigabit Ethernet PCI-X Adapter		

2642	73 GB SCSI disk drive 80 pin 10K rpm with u3 carrier being identified or configured.	2653	73 GB SCSI disk drive 80 pin 15K rpm with u3 carrier being identified or configured. (For HV systems)
2643	73 GB SCSI disk drive 80 pin 10K rpm with u3 carrier being identified or configured. (For OpenPower™ systems)	2654	146 GB SCSI disk drive 80 pin 15K rpm with u3 carrier being identified or configured.
2644	146 GB SCSI disk drive 68 pin 10K rpm being identified or configured.	2655	146 GB SCSI disk drive 80 pin 15K rpm with u3 carrier being identified or configured. (For OpenPower systems)
2645	146 GB SCSI disk drive 80 pin 10K rpm with u3 carrier being identified or configured.	2656	73 GB SCSI disk drive 80 pin 15K rpm being identified or configured.
2646	146 GB SCSI disk drive 80 pin 10K rpm with u3 carrier being identified or configured. (For OpenPower systems)	2657	146 GB SCSI disk drive 80 pin 15K rpm being identified or configured.
2647	300 GB SCSI disk drive 68 pin 10K rpm being identified or configured.	2658	73 GB SCSI disk drive 80 pin 10K rpm being identified or configured.
2648	300 GB SCSI disk drive 80 pin 10K rpm with u3 carrier being identified or configured.	2659	146 GB SCSI disk drive 80 pin 10K rpm being identified or configured.
2649	300 GB SCSI disk drive 80 pin 10K rpm with u3 carrier being identified or configured. (For OpenPower systems)	265B	300 GB SCSI disk drive 80 pin 10K rpm being identified or configured.
264B	36 GB SCSI disk drive 80 pin 15K rpm with u3 carrier being identified or configured.	2667	An electronics tray, also known as the enclosure services manager is being identified or configured
264D	36 GB SCSI disk drive 80 pin 15K rpm with u3 carrier being identified or configured. (For OpenPower systems)	<b>Note:</b> 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, 9117-MMA, or 8234-EMA.	
264E	73 GB SCSI disk drive 80 pin 15K rpm with u3 carrier being identified or configured.	2680	A generic SAS adapter is being identified or configured
2650	ESS iSCSI devices being identified or configured.	2681	DVD tray assembly.
2651	SVC being identified or configured.	2D01	PCI-X Quad Channel U320 SCSI RAID Battery Pack
2652	SVCCISCOi being identified or configured.	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	507	Querying card in Slot 7.
2E01	10Gb Ethernet-SR PCI-E Adapter	508	Querying card in Slot 8.
2E02	10Gb Ethernet-LR PCI-E Adapter	510	Starting device configuration.
2E6	The PCI Differential Ultra SCSI adapter or the Universal PCI Differential Ultra SCSI adapter being configured.	511	Device configuration completed.
2E7	Configuration method unable to determine if the SCSI adapter type is SE or DE type.	512	Restoring device configuration files from media.
440	9.1GB Ultra SCSI Disk Drive being identified or configured.	513	Restoring basic operating system installation files from media.
441	18.2 GB Ultra SCSI Disk Drive being identified or configured.	516	Contacting server during network boot.
444	2-Port Multiprotocol PCI Adapter (ASIC) being identified or configured.	517	Mounting client remote file system during network IPL.
447	PCI 64-bit Fibre Channel Arbitrated Loop Adapter being configured.	518	Remote mount of the root (/) and /usr file systems failed during network boot.
458	36 GB DAT72 Tape Drive	520	Bus configuration running.
459	36 GB DAT72 Tape Drive	521	/etc/init invoked cfgmgr with invalid options; /etc/init has been corrupted or incorrectly modified (irrecoverable error).
45D	200 GB HH LTO2 Tape drive	522	The configuration manager has been invoked with conflicting options (irrecoverable error).
500	Querying Standard I/O slot.	523	The configuration manager is unable to access the ODM database (irrecoverable error).
501	Querying card in Slot 1.	524	The configuration manager is unable to access the config.rules object in the ODM database (irrecoverable error).
502	Querying card in Slot 2.	525	The configuration manager is unable to get data from a customized device object in the ODM database (irrecoverable error).
503	Querying card in Slot 3.	526	The configuration manager is unable to get data from a customized device driver object in the ODM database (irrecoverable error).
504	Querying card in Slot 4.		
505	Querying card in Slot 5.		
506	Querying card in Slot 6.		

527	The configuration manager was invoked with the phase 1 flag; running phase 1 at this point is not permitted (irrecoverable error).	541	A DLT tape device is being configured.
528	The configuration manager cannot find sequence rule, or no program name was specified in the ODM database (irrecoverable error).	542	7208-345 60 GB tape drive, 7334-410 60 GB tape drive
529	The configuration manager is unable to update ODM data (irrecoverable error).	549	Console could not be configured for the Copy a System Dump Menu.
530	The savebase program returned an error.	551	IPL vary-on is running.
531	The configuration manager is unable to access the PdAt object class (irrecoverable error).	552	IPL vary-on failed.
532	There is not enough memory to continue (malloc failure); irrecoverable error.	553	IPL phase 1 is complete.
533	The configuration manager could not find a configuration method for a device.	554	The boot device could not be opened or read, or unable to define NFS swap device during network boot.
534	The configuration manager could not find a configuration method for a device.	555	An ODM error occurred when trying to vary-on the rootvg, or unable to create an NFS swap device during network boot.
535	HIPPI diagnostics interface driver being configured.	556	Logical Volume Manager encountered error during IPL vary-on.
536	The configuration manager encountered more than one sequence rule specified in the same phase (irrecoverable error).	557	The root file system does not mount.
537	The configuration manager encountered an error when invoking the program in the sequence rule.	558	There is not enough memory to continue the system IPL.
538	The configuration manager is going to invoke a configuration method.	559	Less than 2 MB of good memory are available to load the AIX kernel.
539	The configuration method has terminated, and control has returned to the configuration manager.	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.	591	Configuring an LVM device driver.
575	A 9570 disk-array driver being configured.	592	Configuring an HFT device driver.
576	Generic async device driver being configured.	593	Configuring SNA device drivers.
577	Generic SCSI device driver being configured.	594	Asynchronous I/O being defined or configured.
578	Generic commo device driver being configured.	595	X.31 pseudo-device being configured.
579	Device driver being configured for a generic device.	596	SNA DLC/LAPE pseudo-device being configured.
580	HIPPI TCP/IP network interface driver being configured.	597	OCS software being configured.
581	Configuring TCP/IP.	598	OCS hosts being configured during system reboot.
582	Configuring Token-Ring data link control.	599	Configuring FDDI data link control.
583	Configuring an Ethernet data link control.	59B	FCS SCSI protocol device being configured (64 bits).
584	Configuring an IEEE Ethernet data link control.	5C0	Streams-based hardware drive being configured.
585	Configuring an SDLC MPQP data link control.	5C1	Streams-based X.25 protocol being configured.
586	Configuring a QLLC X.25 data link control.	5C2	Streams-based X.25 COMIO emulator driver being configured.
587	Configuring a NETBIOS.	5C3	Streams-based X.25 TCP/IP interface driver being configured.
588	Configuring a Bisync Read-Write (BSCRW).	5C4	FCS adapter device driver being configured.
589	SCSI target mode device being configured.	5C5	SCB network device driver for FCS being configured.
590	Diskless remote paging device being configured.	5C6	AIX SNA channel being configured.
		600	Starting network boot portion of /sbin/rc.boot.

602	Configuring network parent devices.	617	Diskless to dataless configuration failed.
603	/usr/lib/methods/defsys, /usr/lib/methods/cfgsys, or /usr/lib/methods/cfgbus failed.	618	Configuring remote (NFS) paging devices.
604	Configuring physical network boot device.	619	Configuration of a remote (NFS) paging device failed.
605	Configuration of physical network boot device failed.	61B	36.4 GB 80-pin LVD SCSI Disk Drive being configured.
606	Running /usr/sbin/ifconfig on logical network boot device.	61D	36.4 GB 80-pin LVD SCSI Disk Drive being configured.
607	/usr/sbin/ifconfig failed.	61E	18.2 GB 68-pin LVD SCSI Disk Drive being configured.
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.	620	Updating special device files and ODM in permanent file system with data from boot RAM file system.
609	The client.info file does not exist or it is zero length.	621	9.1 GB LVD 80-pin SCSI Drive being configured.
60B	18.2 GB 68-pin LVD SCSI Disk Drive being configured.	622	Boot process configuring for operating system installation.
610	Attempting remote mount of NFS file system.	62D	9.1 GB 68-pin LVD SCSI Disk Drive being configured.
611	Remote mount of the NFS file system failed.	62E	9.1GB 68-pin LVD SCSI Disk Drive being configured.
612	Accessing remote files; unconfiguring network boot device.	636	TURBOWAYS™ 622 Mbps PCI MMF ATM Adapter.
613	8 mm 80 GB VXA-2 tape device	637	Dual Channel PCI-2 Ultra2 SCSI Adapter being configured.
614	Configuring local paging devices.	638	4.5 GB Ultra SCSI Single Ended Disk Drive being configured.
615	Configuration of a local paging device failed.	639	9.1 GB 10K RPM Ultra SCSI Disk Drive (68-pin).
616	Converting from diskless to dataless configuration.	63A	See 62D.



63B	9.1 GB 80-pin LVD SCSI Disk Drive being configured.	659	2102 Fibre Channel Disk Subsystem Controller Drawer being identified or configured.
63C	See 60B.	663	The ARTIC960RxD Digital Trunk Quad PCI Adapter or the ARTIC960RxF Digital Trunk Resource Adapter being configured.
63D	18.2 GB 80-pin LVD SCSI Disk Drive being configured.	664	32x (MAX) SCSI-2 CD-ROM drive being configured.
63E	36.4 GB 68-pin LVD SCSI Disk Drive being configured.	667	PCI 3-Channel Ultra2 SCSI RAID Adapter being configured.
63F	See 61B.	669	PCI Gigabit Ethernet Adapter being configured.
640	9.1 GB 10K RPM Ultra SCSI Disk Drive (80-pin).	66A	PCI Gigabit Ethernet Adapter being configured.
643	18.2 GB LVD 80-pin SCA-2 connector SCSI Disk Drive being configured.	66C	10/100/1000 Base-T Ethernet PCI Adapter.
646	High-Speed Token-Ring PCI Adapter being configured.	66D	PCI 4-Channel Ultra-3 SCSI RAID Adapter.
64A	See 62E.	66E	4.7 GB DVD-RAM drive.
64B	9.1 GB 80-pin LVD SCSI Disk Drive being configured.	674	ESCON™ Channel PCI Adapter being configured.
64C	See 61E.	678	12 GB 4 mm SCSI tape drive
64D	18.2 GB LVD 80-pin Drive/Carrier being configured.	67B	PCI Cryptographic Coprocessor being configured.
64E	36.4 GB 68-pin LVD SCSI Disk Drive being configured.	682	20x (MAX) SCSI-2 CD-ROM Drive being configured.
64F	See 61D.	689	4.5 GB Ultra SCSI Single Ended Disk Drive being configured.
650	SCSD disk drive being configured.	68C	20 GB 4-mm Tape Drive being configured.
653	18.2 GB Ultra-SCSI 16-bit Disk Drive being configured.	68E	POWER GXT6000P PCI Graphics Adapter.
655	GXT130P Graphics adapter being configured.		
657	GXT2000P graphics adapter being configured.		

690	9.1 GB Ultra SCSI Single Ended Disk Drive being configured.	712	Graphics slot bus configuration is executing.
69B	64-bit/66 MHz PCI ATM 155 MMF PCI adapter being configured.	713	The IBM ARTIC960 device being configured.
69D	64-bit/66 MHz PCI ATM 155 UTP PCI adapter being configured.	714	A video capture adapter being configured.
6CC	SSA disk drive being configured.	717	TP Ethernet Adapter being configured.
700	A 1.1 GB 8-bit SCSI disk drive being identified or configured.	718	GXT500 Graphics Adapter being configured.
701	A 1.1 GB 16-bit SCSI disk drive being identified or configured.	720	Unknown read/write optical drive type being configured.
702	A 1.1 GB 16-bit differential SCSI disk drive being identified or configured.	721	Unknown disk or SCSI device being identified or configured.
703	A 2.2 GB 8-bit SCSI disk drive being identified or configured.	722	Unknown disk drive being identified or configured.
703	A 2.2 GB 16-bit SCSI disk drive being identified or configured.	723	Unknown CD-ROM 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.	724	Unknown tape drive being identified or configured.
706	A 4.5 GB 16-bit SCSI disk drive being identified or configured.	725	Unknown display adapter being identified or configured.
707	A 4.5 GB 16-bit differential SCSI disk drive being identified or configured.	726	Unknown input device being identified or configured.
708	An L2 cache being identified or configured.	727	Unknown async device being identified or configured.
709	128 port ISA adapter being configured	728	Parallel printer being identified or configured.
710	POWER GXT150M graphics adapter being identified or configured.	729	Unknown parallel device being identified or configured.
711	Unknown adapter being identified or configured.	730	Unknown diskette drive being identified or configured.

731	PTY being identified or configured.	772	4.5 GB SCSI F/W Disk Drive being configured.
732	Unknown SCSI initiator type being configured.	773	9.1 GB SCSI F/W Disk Drive being configured.
733	7 GB 8-mm tape drive being configured.	774	9.1 GB External SCSI Disk Drive being configured.
734	4x SCSI-2 640 MB CD-ROM Drive being configured.	776	PCI Token-Ring Adapter being identified or configured.
736	Quiet Touch keyboard and speaker cable being configured.	777	10/100 Ethernet Tx PCI Adapter being identified or configured.
741	1080 MB SCSI Disk Drive being configured.	778	POWER GXT3000P 3D PCI Graphics adapter being configured.
745	16 GB 4-mm Tape Auto Loader being configured.	77B	4-Port 10/100 Ethernet Tx PCI Adapter being identified or configured.
746	SCSI-2 Fast/Wide PCI Adapter being configured.	77C	A 1.0 GB 16-bit SCSI disk drive being identified or configured.
747	SCSI-2 Differential Fast/Wide PCI Adapter being configured.	783	4-mm DDS-2 Tape Autoloader being configured.
749	7331 Model 205 Tape Library being configured.	789	2.6 GB External Optical Drive being configured.
751	SCSI 32-bit SE F/W RAID Adapter being configured.	78B	POWER GXT4000P PCI Graphics Adapter.
754	1.1 GB 16-bit SCSI disk drive being configured.	78D	GXT300P 2D Graphics adapter being configured.
755	2.2 GB 16-bit SCSI disk drive being configured.	790	Multi-bus Integrated Ethernet Adapter being identified or configured.
756	4.5 GB 16-bit SCSI disk drive being configured.	797	TURBOWAYS 155 UTP/STP ATM Adapter being identified or configured.
757	External 13 GB 1/4-inch tape being configured.	798	Video streamer adapter being identified or configured.
763	SP Switch MX Adapter being configured.	799	2-Port Multiprotocol PCI adapter being identified or configured.
764	SP System Attachment Adapter being 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 asynchronous 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.	858	5085/5086/5088 adapter being identified or configured.
842	8-port async adapter (EIA-422A) being identified or configured.	859	FDDI adapter being identified or configured.
843	8-port async adapter (MIL-STD-188) being identified or configured.	85C	Token-Ring High-Performance LAN adapter being identified or configured.
844	7135 RAIDiant Array disk drive subsystem controller being identified or configured.	861	Optical adapter being identified or configured.
845	7135 RAIDiant Array disk drive subsystem drawer being identified or configured.	862	Block Multiplexer Channel Adapter being identified or configured.
846	RAIDiant Array SCSI 1.3 GB Disk Drive being configured.	865	ESCON Channel Adapter or emulator being identified or configured.
847	16-port serial adapter (EIA-232) being identified or configured.	866	SCSI adapter being identified or configured.
848	16-port serial adapter (EIA-422) being identified or configured.	867	Async expansion adapter being identified or configured.
849	X.25 Interface Coprocessor/2 adapter being identified or configured.	868	SCSI adapter being identified or configured.
850	Token-Ring network adapter being identified or configured.	869	SCSI adapter being identified or configured.
851	T1/J1 Portmaster adapter being identified or configured.	870	Serial disk drive adapter being identified or configured.
852	Ethernet adapter being identified or configured.	871	Graphics subsystem adapter being identified or configured.
854	3270 Host Connection Program/6000 connection being identified or configured.	872	Grayscale graphics adapter being identified or configured.
855	Portmaster Adapter/A being identified or configured.	874	Color graphics adapter being identified or configured.
857	FSLA adapter being identified or configured.	875	Vendor generic communication adapter being configured.
		876	8-bit color graphics processor being identified or configured.

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877	POWER Gt3/POWER Gt4 being identified or configured.
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878	POWER Gt4 graphics processor card being configured.
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879	A 24-bit color MEV2 type graphics card is being configured.
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880	POWER Gt1 adapter being identified or configured.
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887	POWER Gt1 adapter being identified or configured.
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889	SCSI adapter being identified or configured.
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890	SCSI-2 Differential Fast/Wide and Single-Ended Fast/Wide Adapter/A being configured.
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891	Vendor SCSI adapter being identified or configured.
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892	Vendor display adapter being identified or configured.
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893	Vendor LAN adapter being identified or configured.
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894	Vendor async/communications adapter being identified or configured.
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895	Vendor IEEE 488 adapter being identified or configured.
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896	Vendor VME bus adapter being identified or configured.
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897	S/370 Channel Emulator adapter being identified or configured.
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898	POWER Gt1x graphics adapter being identified or configured.
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899	3490 attached tape drive being identified or configured.
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89C	A multimedia SCSI CD-ROM being identified or configured.
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900	GXT110P Graphics Adapter being identified or configured.
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901	Vendor SCSI device being identified or configured.
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902	Vendor display device being identified or configured.
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903	Vendor async device being identified or configured.
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904	Vendor parallel device being identified or configured.
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905	A vendor (non-IBM) adapter is being identified or configured.
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908	POWER GXT1000™ Graphics subsystem being identified or configured.
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910	1/4 GB Fiber Channel/266 Standard Adapter being identified or configured.
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911	Fiber Channel/1063 Adapter Short Wave being configured.
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912	2.0 GB SCSI-2 differential disk drive being identified or configured.
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913	1.0 GB differential disk drive being identified or configured.
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914	5 GB 8-mm differential tape drive being identified or configured.
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915	4 GB 4-mm tape drive being identified or configured.
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916	A generic (non-IBM) Non-SCSI tape drive adapter is being identified or configured.
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917	A 2.0 GB 16-bit differential SCSI disk drive being identified or configured.
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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 (LPGK) 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.

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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.

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956	670 MB SCSI disk drive electronics card being identified or configured.
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957	120 MB DBA disk drive being identified or configured.
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958	160 MB Database Administrator (DBA) disk drive being identified or configured.
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959	160 MB SCSI disk drive being identified or configured.
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960	1.37 GB SCSI disk drive being identified or configured.
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964	Internal 20 GB 8-mm tape drive identified or configured.
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968	1.0 GB SCSI disk drive being identified or configured.
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970	Half-inch, 9-track tape drive being identified or configured.
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971	150 MB 1/4-inch tape drive being identified or configured.
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972	2.3 GB 8-mm SCSI tape drive being identified or configured.
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973	Other SCSI tape drive being identified or configured.
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974	CD-ROM drive being identified or configured.
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975	An optical disk drive being identified or configured.
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977	M-Audio Capture and Playback Adapter being identified or configured.
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981	540 MB SCSI-2 single-ended disk drive being identified or configured.
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984	1 GB 8-bit disk drive being identified or configured.
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985	M-Video Capture Adapter being identified or configured.
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986	2.4 GB SCSI disk drive being identified or configured.
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987	An Enhanced SCSI CD-ROM drive being identified or configured.
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989	200 MB SCSI disk drive being identified or configured.
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990	2.0 GB SCSI-2 single-ended disk drive being identified or configured.
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991	525 MB 1/4-inch cartridge tape drive being identified or configured.
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994	5 GB 8-mm tape drive being identified or configured.
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995	1.2GB 1/4-inch cartridge tape drive being identified or configured.
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996	A single-port, multiprotocol communications adapter being identified or configured.
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997	FDDI adapter being identified or configured.
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998	2.0 GB 4-mm tape drive being identified or configured.
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999	7137 or 3514 Disk Array Subsystem being configured.
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D46	Token-Ring cable.
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D81	T2 Ethernet Adapter being configured.
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## 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.

---

### 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.	c09	The diskette drive is reading or writing a diskette.
c01	Insert the first diagnostic diskette.	c20	An unexpected halt occurred, and the system is configured to enter the kernel debug program instead of entering a system dump.
c02	Diskettes inserted out of sequence.	c21	The ifconfig command was unable to configure the network for the client network host.
c03	The wrong diskette is in diskette drive.	c22	The tftp command was unable to read client's <i>ClientHostName.info</i> file during a client network boot.
c04	The loading stopped with an irrecoverable error.	c24	Unable to read client's <i>ClientHostName.info</i> file during a client network boot.
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.		

c25	Client did not mount remote miniroot during network install.	c48	Prompting you for input.
c26	Client did not mount the /usr file system during the network boot.	c49	Could not create or form the JFS log.
c29	The system was unable to configure the network device.	c50	Creating root volume group on target disks.
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.	c51	No paging devices were found.
c32	A directly attached display (HFT) was selected.	c52	Changing from RAM environment to disk environment.
c33	A TTY terminal attached to serial ports S1 or S2 was selected.	c53	Not enough space in the /tmp directory to do a preservation installation.
c34	A file was selected. The console messages store in a file.	c54	Installing either BOS or additional packages.
c35	No console found.	c55	Could not remove the specified logical volume in a preservation installation.
c40	Configuration files are being restored.	c56	Running user-defined customization.
c41	Could not determine the boot type or device.	c57	Failure to restore BOS.
c42	Extracting data files from diskette.	c58	Displaying message to turn the key.
c43	Cannot access the boot/install tape.	c59	Could not copy either device special files, device ODM, or volume group information from RAM to disk.
c44	Initializing installation database with target disk information.	c61	Failed to create the boot image.
c45	Cannot configure the console.	c62	Loading platform dependent debug files.
c46	Normal installation processing.	c63	Loading platform dependent data files.
c47	Could not create a physical volume identifier (PVID) on disk.	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.

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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.

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c99        Diagnostics have completed. This code is only used when there is no console.



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## 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.

---

### 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.

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0c0	The dump completed successfully.	0cc	Unknown dump failure.
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.		



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## 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

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## 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.

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## 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.

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

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700      **Program interrupt.**

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400      **Instruction storage interrupt.**

---

## 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

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## Crash codes category 2

### Category 2

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

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200      **Machine check because of a memory bus error.**

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206      **Machine check because of an uncorrectable ECC error.**

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201      **Machine check because of a memory timeout.**

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207      **Machine check because of an unidentified error.**

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202      **Machine check because of a memory card failure.**

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208      **Machine check due to an L2 uncorrectable ECC.**

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203      **Machine check because of an out of range address.**

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500      **External interrupt because of a scrub memory bus error.**

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204      **Machine check because of an attempt to write to ROS.**

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501      **External interrupt because of an unidentified error.**

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205      **Machine check because of an uncorrectable address parity.**

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51x      **External interrupt because of a DMA memory bus error.**

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52x	External interrupt because of an IOCC channel check.
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54x	External interrupt because of an IOCC keyboard check.
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53x	External interrupt from an IOCC bus timeout; x represents the IOCC number.
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800	Floating point is not available.
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## 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.

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## 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.

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000	Unexpected system interrupt.
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558	There is not enough memory to continue the system IPL.
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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.
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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.
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## Chapter 5. (C1xx) Service processor progress codes (checkpoints)

Service processor progress codes (checkpoints)

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**C10010xx**    **Pre-standby**

**Service Response:**

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

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**C1001F00**    **Pre-standby: starting initial transition file**

**Service Response:**

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

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**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.

**Service 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**

**Service Response:**

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

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**C1001FFF**    **Pre-standby: completed initial transition file**

**Service Response:**

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

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

**Service 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.**

**Service 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.**

**Service Response:**

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

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

**Service 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.**

**Service Response:**

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

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

**Service Response:**

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

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

**Service Response:**

## C1009x18 • C1009x46

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

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

**Service Response:**

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

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

**Service Response:**

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

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**C1009x20    Frequency control IPL step in progress.**

**Service Response:**

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

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**C1009x24    Asset protection IPL step in progress.**

**Service Response:**

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

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**C1009x28    Memory configuration IPL step in progress.**

**Service Response:**

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

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**C1009x2C    Processor CFAM initialization in progress.**

**Service Response:**

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

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**C1009x30    Processor self-synchronization in progress.**

**Service Response:**

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

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**C1009x34    Processor mask attentions being initialiaed.**

**Service Response:**

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

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**C1009x38    Processor check ring IPL step in progress.**

**Service Response:**

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

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**C1009x39    Processor L2 line delete in progress.**

**Service Response:**

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

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**C1009x3A    Load processor gptr IPL step in progress.**

**Service Response:**

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

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**C1009x3C    Processor ABIST step in progress.**

**Service Response:**

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

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**C1009x40    Processor LBIST step in progress.**

**Service Response:**

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

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**C1009x44    Processor array initialization step in progress.**

**Service Response:**

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

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**C1009x46    Processor AVP initialization step in progress.**

**Service Response:**

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

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**C1009x48 Processor flush IPL step in progress.****Service Response:**

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

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**C1009x4C Processor wiretest IPL step in progress.****Service Response:**

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

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**C1009x50 Processor long scan IPL step in progress.****Service Response:**

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

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**C1009x54 Start processor clocks IPL step in progress.****Service Response:**

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

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**C1009x58 Processor SCOM initialization step in progress.****Service Response:**

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

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**C1009x5C Processor interface alignment procedure in progress.****Service Response:**

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

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**C1009x5E Processor AVP L2 test case in progress.****Service Response:**

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

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**C1009x60 Processor random data test in progress.****Service Response:**

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

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**C1009x64 Processor enable machine check test in progress.****Service Response:**

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

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**C1009x66 Concurrent initialization in progress.****Service Response:**

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

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**C1009x68 Processor fabric initialization step in progress.****Service Response:**

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

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**C1009x6C Processor PSI initialization step in progress.****Service Response:**

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

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**C1009x70 ASIC CFAM initialization step in progress.****Service Response:**

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

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**C1009x74 ASIC mask attentions being set up.****Service Response:**

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

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**C1009x78 ASIC check rings being set up.****Service Response:**

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

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**C1009x7C ASIC ABIST test being run.****Service Response:**

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

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**C1009x80** ASIC LBIST test being run.**Service Response:**

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

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**C1009x82** ASIC RGC being reset.**Service Response:**

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

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**C1009x84** ASIC being flushed.**Service Response:**

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

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**C1009x88** ASIC long scan initialization in progress.**Service Response:**

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

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**C1009x8C** ASIC start clocks in progress.**Service Response:**

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

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**C1009x90** Wire test in progress.**Service Response:**

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

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**C1009x92** ASIC restore erepair in progress.**Service Response:**

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

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**C1009x94** ASIC transmit/receive initialization step in progress.**Service Response:**

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

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**C1009x98** ASIC wrap test in progress.**Service Response:**

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

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**C1009x9C** ASIC SCOM initialization step in progress.**Service Response:**

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

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**C1009x9E** ASIC HSS set up in progress.**Service Response:**

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

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**C1009xA0** ASIC onyx BIST in progress.**Service Response:**

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

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**C1009xA4** ASIC interface alignment step in progress.**Service Response:**

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

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**C1009xA8** ASIC random data test in progress.**Service Response:**

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

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**C1009xAC** ASIC enable machine check step in progress.**Service Response:**

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

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**C1009xB0** ASIC I/O initialization step in progress.**Service Response:**

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

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**C1009xB4** ASIC DRAM initialization step in progress.

**Service Response:**

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

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**C1009xB8** ASIC memory diagnostic step in progress.

**Service Response:**

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

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**C1009xB9** PSI diagnostic step in progress.

**Service Response:**

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

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**C1009xBB** Restore L3 line delete step in progress.

**Service Response:**

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

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**C1009xBD** AVP memory test case in progress.

**Service Response:**

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

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**C1009xC0** Node interface alignment procedure in progress.

**Service Response:**

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

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**C1009xC4** Dump initialization step in progress.

**Service Response:**

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

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**C1009xC8** Start PRD step in progress.

**Service Response:**

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

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**C1009xCC** Message passing waiting period has begun.

**Service Response:**

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

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**C1009xD0** Message passing waiting period has begun.

**Service Response:**

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

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**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.

**Service Response:**

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

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**C100C102** Network initialization complete; waiting on VPD from processor.

**Service Response:**

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

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**C100C103**    **Waiting on VPD from processor.**

**Service Response:**

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

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**C100C104**    **Processor VPD collection is complete.**

**Service Response:**

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

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**C100C106**    **Checking of the number of processors is complete.**

**Service Response:**

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

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**C100C107**    **Waiting on VPD from sensors.**

**Service Response:**

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

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**C100C108**    **Sensor VPD collection is complete.**

**Service Response:**

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

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**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.**

**Service 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.**

**Service Response:**

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

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**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.**

**Service Response:**

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

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

**Service Response:**

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

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**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.**

**Service Response:**

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

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**C100C111**    **Waiting for serial polling.**

**Service Response:**

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

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**C100C112**    **Collecting the TMS is complete.**

**Service Response:**

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

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**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.**

**Service Response:**

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

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

**Service Response:**

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



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**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.

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**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.

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**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.

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**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.

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**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.

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**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.

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**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.

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**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.

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**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.

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**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.

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**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.

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**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.

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**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.

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**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.

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**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.

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**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.

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**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.

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**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.

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**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.

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**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.

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**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.

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**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.

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**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.

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**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.

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**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.

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**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.

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**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.

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**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.

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**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.**

**Service Response:**

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

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**C100C175    Waiting for the BPC to report why power-on failed.**
**Service Response:**

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

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**C100C180    Activating the power good signals.**
**Service Response:**

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

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**C100C184    The power-on delay is complete.**
**Service Response:**

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

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**C100C1A0    Waiting on the power good signals.**
**Service Response:**

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

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**C100C1A1    Waiting on the power good signals.**
**Service Response:**

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

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**C100C1A2    Waiting on the power good signal is complete.**
**Service Response:**

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

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**C100C1B0    Waiting to power down.**
**Service Response:**

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

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**C100C1B1    Waiting to power down.**
**Service Response:**

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

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**C100C1B2    The power down delay is complete.**
**Service Response:**

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

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**C100C1B4    The SPCN is waiting for power down.**
**Service Response:**

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

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**C100C1B5    The SPCN is waiting for power down.**
**Service Response:**

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

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**C100C1B6    Powering down the device is complete.**
**Service Response:**

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

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**C100C1B7    Reserved.**
**Service Response:**

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

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**C100C1B8    The request to power off the processor subsystem is complete.**
**Service Response:**

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

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**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.**
**Service Response:**

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

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**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.

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**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.

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**C100C1CF**    **A critical fault has occurred. 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.

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**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.

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**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.

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**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.

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**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.

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**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.

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**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.

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**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.

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**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.

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**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.

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**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.

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

**Service Response:**

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

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

**Service Response:**

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

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**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.

**Service Response:**

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

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

**Service Response:**

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

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

**Service Response:**

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

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**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.

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**C10F2000** Halt: starting halt transition file

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**C10F20FF** Halt: completing halt transition file

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

**Service Response:**

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

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

**Service Response:**

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

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

**Service Response:**

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

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

**Service 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)

**Service 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)

**Service 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.

**Service 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)**

**Service 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)**

**Service 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)**

**Service 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)**

**Service 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)**

**Service 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)**

**Service 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)**

**Service Response:**

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

---



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

**Service 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)**

**Service 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)**

**Service 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)**

**Service 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)**

**Service 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)**

**Service 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)**

**Service Response:**

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

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## C1452000 • C162E41E

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

**Service 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)

**Service 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)

**Service 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)

**Service 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)

**Service 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)

**Service 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)

**Service 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)

**Service 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

---



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**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.

**Service 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.

**Service 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.

**Service 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.

**Service 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.

**Service 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.

**Service 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)

**Service 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)

**Service 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)

**Service 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)

**Service Response:**

## C1912000 • C1C3C218

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.

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**C1CBE2FF VPD collection ending****Service 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****Service 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****Service 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.****Service 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****Service 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****Service 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****Service 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****Service 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****Service Response:**

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

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**C1CBE406 VPD is being recollected****Service Response:**

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

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**C1CBE407 The recollected VPD is being validated****Service 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****Service Response:**

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

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**C1CBE409 The NVRAM VPD data is being recollected****Service 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****Service 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****Service 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****Service 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

**Service 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

**Service 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

**Service 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

**Service 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

**Service 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

**Service 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

**Service 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

**Service 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

**Service 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

**Service 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)

**Service 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)

**Service 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)

**Service 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)

**Service 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)

**Service Response:**



## C1D220FF • C1F420FF

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.

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

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

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

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

## C2004300 • C20080FF

---

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.

C3yxxxx	System Processor or Main Storage Diagnostic in progress	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')
C500C92B	Waiting for console device - error condition only if console not found	C6003913	Licensed Internal Code is initializing the Load Source IOP messaging functions
C5yxxxx	Licensed Internal Code system hardware initialization	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
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.	C6003915	Licensed Internal Code has initiated the Load Source IOP self-load
C6003910	Licensed Internal Code has initiated PCI Bus Reset to all Bus 1 devices except the SP	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
C6003911	Licensed Internal Code has initiated self test of all Bus 1 devices except the SP		

## C6003917 • C6004052

---

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

## C6004301 • C6nn4205

C6004301	Applying temporary PTFs. If the IPL is terminated at this point, the Licensed Internal Code might need to be installed again.	C6004502	Starting DST display task (SSP only)
C6004302	Applying modules. If the IPL is terminated at this point, the Licensed Internal Code might need to be installed again.	C6004503	Checking possible MRI on media (SSP only)
C6004303	Temporarily applied PTFs have reached the static paging phase	C6004504	Verifying system serial number
C600432A	Resolving references to run Mode A. The system can be safely terminated while this work is being done.	C6004505	Verifying system type
C600432B	Resolving references to run Mode B. The system may be safely terminated while this work is being done.	C6004506	Verifying system-unique ID
C6004330	Full paging is available; workstation HRI processing	C6004507	Starting 'before DST' DASD checker
C6004331	Freeing unused nucleus pages	C6004508	Verifying system password (if DASD check OK)
C6004332	Permanently applying PTFs. If the IPL is terminated at this point, the Licensed Internal Code might need to be installed again.	C6004509	Starting DASD migration function (only if migrating)
C6004401	Some DASD failed to report in	C600450A	Starting 'after DST' DASD checker
C6004402	Storage Management Recovery started	C6004A57	Parallel database recovery and is at Pass 1
C6004403	Storage Management Recovery ended	C6004A60	Parallel database initialization is at Pass 1
C6004405	Dump auto copy completed successfully. Module called: MsdStartSf.	C6004B57	Parallel database recovery is at Pass 2
C6004406	Shutdown/Programmed IPL started (MSD related). Module called: MsdStartSf, MsdInit.	C6004B60	Parallel database initialization is at Pass 2
C6004500	Verifying network attributes	C6004C57	Parallel database recovery is at Pass 3
C6004501	Looking for the console	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	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.
C9002820	Resolve system objects	C9002976	This recovery step verifies the object recovery list performs any needed recovery for journals and journal receivers.
C9002825	Convert Work Control Block Table	C9002978	This progress code displays after progress codes C9002A70 through C9002976 have been completed
C9002830	System value object	C9002980	Storage requirements
C90028C0	Prepare SPCF job	C9002990	Performance adjustments
C90028C5	Initialize system objects	C90029A0	System control block
C9002910	Start system logging	C90029B0	Spool initialization
C9002920	Library and object information repository (OIR) cleanup	C90029C0	Work control block table
C9002925	Verify POSIX** root directories	C9002A80	Before starting system jobs
C9002930	Database cross-reference	C9002A85	Bringing up POSIX SAG
C9002940	Console configuration	C9002A87	POSIX SAG restart and signals initialization
C9002950	Install complex objects	C9002A90	Starting system jobs
C9002960	Sign on processing	C9002A95	Abnormal Work Control Block Table cleanup
C9002965	Software Management Services (SMS) initialization	C9002AA0	Damage notification
C9002967	Applying PTFs	C9002AA1	This recovery step either rolls back or completes certain uncompleted database operations that were run under commitment control
C9002968	IPL options		
C9002970	Database recovery part 1, journal recovery part 1		

## C9002AA2 • C9002F00

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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
----------	---

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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 • CA00E131

---

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 • CA00E19D

---

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  
condition

---

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

---

CA00E178 Initiating TFTP file transfer

---

**Service 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

---

**Service 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-architecture-  
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\_firmware

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.

**Service:**

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<sup>®</sup> 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****Service 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****Service 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****Service 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****Service 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****Service 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****Service 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****Service 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****Service 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****Service 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****Service 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/\*****Service 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/\*****Service 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/\*****Service Response:**

## D1131xxx • D1271xxx

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**

**Service 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**

**Service 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**

**Service 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**

**Service 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**

**Service 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**

**Service 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.****Service 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.****Service 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.****Service 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.****Service 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.****Service 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.****Service 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.****Service 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.****Service 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.****Service 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.****Service 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.****Service 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.****Service 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.****Service Response:**

## D1xx3yF0 • D200D1FF

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.

#### Service 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.

#### Service 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.

#### Service 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.

---

## (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
----------	--------------------------------

---

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.

## (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.

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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 • D90027C0

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D6xx5500 Managed system power down status; attempting to delete information from the disk subsystem cache

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D6xx5503 Managed system power down status, which indicates the information from the disk subsystem cache was deleted with qualified success

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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

---

### (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.

---

### (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.

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---

D9002740 Power off immediate

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D9002750 All subsystems ended

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---

D9002760 Device configuration shutdown

---

---

D9002770 QLUS job ending

---

---

D9002780 Close database cross-reference files

---

---

D9002790 QSYSARB job ending

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---

D90027C0 System jobs are ending

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## Appendix. Notices

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European Community contact:  
IBM Technical Regulations  
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