

Change Management – Request for Change

Change Management Records for Servers and Associated Hardware

RFC ID	DESCRIPTION
1001	Remove to new (non-commissioned) servers from BBSR3 server rack (shared with NPKENIRGLC). Removed servers will be taken to Topsail Road for installation for Disaster Recovery project.
1006	Shutdown NP-TOP-NET2 and install two new hard drives.
1007	NP-TOP-USER2 will be shutdown permanently and de-commissioned. (RAID array, SCSI interface and FDDI interface will be installed in new Intel server (USER1 recovery server) for the disaster recovery project; the current USER2 server is built on an Alpha.)
1025	Change Prod1 to use the new Ethernet only network. Disable the FDDI interface because the Disaster Recovery AlphaServer at Topsail Road does not support FDDI.
1031	Installes Raid Controller Firmware upgrade on various systems
1032	Disconnected 4 DSSI Disk Shelves from the Devel/Storageworks Disk Farm
1045	Install OpenVMS patches on Orion and VCS for Y2K contingency, Upgrade Tape Drive connections on Draco for Disaster Recovery
1054	Moved Orion Ethernet connection from DEC Repeater to Cisco Switch
1072	Replace failed fan in OSS Disk Array
1081	Remove an unused RAID drive from OSS Prod1 because of PROD1 disaster Recovery. Not enough disks available.
1084	Test suggested cabling modifications to attempt to obtain expected performance improvements on VMS Tapedrives.
1108	Replace failed disk drive.
1110	Test and replace one or both hard drives due to "bad sector" error message in system log.
1112	We need to reboot the server
1143	Install new NT server in Kenmount Computer Roomr (NPKENDEV1. Install Windows NT Server. As per conversation with Ed: THIS SYSTEM WILL NOT BE JOINED TO THE NFPOWER_DOMAIN. The system will be used to demonstrate Cognos Power Play.
1148	REplaced Accura 288 V.FC modem with USR 56K Modem - REplacement made to correct for Dialin Server Hangs when certain modem types dialin.
1149	Replace Failed drive
1163	Shutdown NPINTRA3, back it up to tape and then modify for use as interim web server to replace NPKENWWW
1164	Restore NPINTRA3 from tape onto replacement hardware
1184	Replace fan in OSS raid controller. Fan has caused the temp. in the controller to rise.
1185	Power off Server NP-KEN-OV, replace with temporary server NP-KEN-OV2. This configuration will last about 1 week while NP-KEN-OV is rebuilt with the a fresh NT install including the option pack, SP6a and Hot Fixes. IE4 SP2 and HP Openview 6.01
1239	Perform ANALYZE/DISK/REPAIR on DRACO System Disk.
1263	The new development server requires several new DNS entries and this is also a good time to organize the existing Web-development based DNS entries and remove a few of them. See the Implementation plan for the details.
1268	Remove failed drive and replace with spare.
1277	Enable UPS option on CMD-5440-002 RAID controller in BBRA2 attached to NP-KEN-USER2 so that controller will operate without cache RAM backup battery.

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- 1278 Replace cache RAM backup battery in CMD-5440-002 RAID controller on BBRA2 attached to NP-KEN-USER1.
- 1284 Add second IP address, 192.168.100.80, to FDDI NIC on NP-KEN-APPS
- 1289 Remove CI configuration between Draco and OSS Disk Array. Replace with SCSI Subsystem. Remove Trident controllers from configuration. Upgrade CRD Raid Controllers to Wide Differential to support new configuration.
- 1291 Replace server power supply, Help Desk Call #28897
- 1293 Connect new server to Catalyst and begin configuration and installation of Windows NT Server.
- 1304 Move NP-TOP-NET2, NP-DUF-USER2, NPDUFORC3, NP-DUF-EX2, TAFKAU2, BBRA3 and BBRA4 from Topsail computer room to new Duffy computer room.
- 1316 Move Tape Drive from Devel to VCS.
- 1354 Physically move Disaster Recovery equipment from Topsail Rd Computer Room to Duffy Computer Room
- 1363 Install fault tolerance componenets: (1) redundant fan kit, (2) redundant power supply, (3) warm spare hard drive.
- 1364 Changes to the Firewall rules to allow NPKENW3, our new Outlook Web Aceso/web server, in the DMZ to communication with NFPOWER_DOMAIN members.
- 1374 Replace existing Hayes modems on LRS162 with new US Robotics modems.
- 1376 Install redundant fans and power supply in NPDUFORC3 (fans are already installed).
- 1377 Replace 4GB disks in BBRA4 with 18 GB disks.
- 1378 Replace SCSI cables and terminators on Draco OSS disk array.
- 1379 Replace PROD1 OSS Disk and Tape drives, Replace Orion Disks
- 1387 Shutdown Kenmount Road computer room to test Inergen fire supression system.
Also work on servers that requires power to be off.
Switch out Wright Line rack from 6 feet to 4 feet rack
- 1405 Remove all equipment from the right-hand Wright-Line rack; disassemble 6' unit; setup stand-alone 4' unit; replace equipment on rack.
- 1406 Remove existing FDDI interfaces from each server and install 10/100 NIC.
- 1408 Replace ADIC Fastor DLT changer (DLT1) with new unit.
- 1409 Install redundant power supplies in three Proliant 3000 servers: NPKENORC1, NPKENORC2 and the new NP-KEN-USER1.
- 1410 Switch servers from 100 subnet to 105 subnet.
- 1418 Install RAM upgrades in two servers.
- 1432 De-commission NPREGBDC
- 1441 Create member server NP_DUF_NOTES
- 1442 Assemble new 9000 Proliant Rack (BBSR4)
- 1443 Commission new server NPSACD1
- 1445 Move all CDs from NP-KEN-CDROM1 to the new CD server (NPKENCDROM2)
- 1450 Create three new servers NPDUFDR1, NPDUFDR2 and NPDUFDR3 and add to NFPOWER_DOMAIN.
- 1451 Create new server NPKENORC4 and add to NFPOWER_DOMAIN.
- 1457 Modify Disk configuration on OSS Disk Array to improve Disaster Recovery time, and improve System Backups
- 1461 Reboot NPSTVBDC.

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- 1463 Add a second processor and 128MB RAM to server, to better handle existing load and reduce possible errors caused by server's inability to respond to resource requests promptly.
- 1466 Install stabilizer, side panels and doors on new Proliant rack (BBSR4) containing NPSACD1
- 1467 Install Windows NT SP6a and latest Compaq agents and drivers. Install redundant fan kits.
- 1469 Install Windows NT SP6a and latest Compaq agents and drivers. Install redundant fan kits.
- 1474 Move SIMMS to correct slots.
- 1478 Remove FDDI network interface card and replace with 100BaseT network interface card.
- 1502 Move NP_DUF_NOTES from Kenmount Road to permanent location at Duffy computer room
- 1503 Move NP-KEN-USER1 file & print services to new server
- 1507 Replace existing 20GB Exchange Information Store RAID5 array with a 40 GB RAID5 array
- 1508 Upgrade disks in BBRA1 from 4GB narrow to 18GB wide.
- 1537 Install new Proliant ML530 in rack (BBSR4)
- 1538 Replace cache RAM backup battery in BBRA4 (RAID array attached to NP-KEN-USER1)
- 1546 Shutdown printer service (SPOOLER) on NP-KEN-PDC
- 1547 Rename and hide NP-KEN-PDC
- 1549 Install Windows NT Server on new ML530 and join NP-KEN-USERx to NFPOWER_DOMAIN
- 1555 Configure two Proliant 3000's for DR testing (NPDRTEST1 & NPDRTEST2)
- 1566 Replaced drive and power supply on raid array.
- 1592 Connection for redundant power supply in BBRA4 needs to be repaired. Controller needs to be powered off to do this.
May require a reboot of USER1 when completed. Users will not have access to home directories, dept. and corp. shared areas during this time.
- 1594 Install new drivers, insight agent and enable performance counters in order to monitor the server through the environment monitoring project
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- 1611 Install new drivers, insight agent and enable performance counters in order to monitor the server through the environment monitoring project
- 1627 Upgrade DECHub 90 to Cisco Cat. 2924XL.
- 1628 Re-create mirror of drive C: and re-boot server to implement change.
- 1640 Rename VPN server from SPARKY to NPKENVPN
- 1650 Following the removal of the Gammalink board the system disk mirror drive failed to restart. The drive was replaced with a spare from our parts inventory.
- 1660 Decommission NPKENORC1 and NPKENORC2. Start creation of NPDEVEX6 and NPDEVORC5.

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- 1661 Convert 4-6 circuits to 30 amp twist lock (John Norris has details). Install power distribution units in BBSR1, BBSR2 & BBSR3. Move server power connections from under floor into racks. |
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Install two failover power bars in Open Storage rack. Transfer power cords for BBRA1, BBRA2 and DLT1 to new power bars. |
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Replace 80' Hi-V Differential SCSI cables between NP-KEN-USERx and DLT1 and BBRA2 with new 40' cables. |
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Install redundant power supplies in NPKENOV, NP-KEN-MAGIC1, NPKENSMS5, NPDEVCOG2, NPKENDEV1 and NPKENIRGLC. |
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Install 256MB RAM upgrades (total = 512 MB) in NPKENOV, NPKENW3, NP-KEN-MAGIC1 and NPKENVPN. |
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Install redundant fan kits in NPKENOV, NP-KEN-MAGIC1, NPDEVCOG2, NPKENDEV1 and NPKENIRGLC. |
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- 1663 Replace failed hard drive in RAID 5 array (drive E:).
- 1696 PM of Routers and servers in regional offices.
- 1702 RAM upgraded from 256 MB to 512 MB
- 1706 Convert NPTOPSCC1 for rack installation. Install server in new rack at SCC. Install 256 MB RAM upgrade (total of 512 MB). Install redundant fan kit. Install redundant power supply. |
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Note: No changes to the server's OS and applications is being made at this time.
- 1712 Expand disk-to-disk backup volume by installing 2nd 9GB drive in volume set.
- 1723 Install new NT backup domain controller (NPSCCBDC) on Proliant ML530 at System Control Centre
- 1742 Install Adaptec SCSI host adapter and connect external DAT drive.
- 1744 Join new server, NPKENEX3, to NFPOWER_DOMAIN as backup domain controller.
- 1751 De-commission NPTOPSCC1.
- 1752 Commission NPSCCFW4 (SCADA firewall)
- 1785 Replace failing drive.
- 1794 Re-build NP-KEN-USER2
- 1803 Install Exchange (test organization) on NPDEVEX6
- 1826 Upgrade hard drives from 2 to 9 GB.
- 1841 AFFECTED NODE SHOULD BE NPKENCDROM2. |
NPDUFCDRM1 is located in Duffy Pl. |
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Upgrade Firmware in Microtest DiscZerver to support communications with Windows 2000 Professional.
- 1854 Need to install an upgraded driver on NPGRFBDC to see if it will correct the problem with printing on Legal size paper

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- 1869 Create eight new regional servers (7 regions + 1 test/dev) and connect to network. Synchronize the new BDCs with the nfpower_domain.:
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 - The new regional servers will be created with the following temporary names::
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 - 530CARBDC:
 - 530CLVBDC:
 - 530SLPBDC:
 - 530GANBDC:
 - 530GRFBDC:
 - 530CRBBDC:
 - 530STVBDC:
 - 530REGBDC:
- 1880 Upgrade NPCARBDC from Prosignia 500 to ProLiant ML530
- 1881 Install Compaq Insight Manager XE
- 1883 Install two failover power bars in Open Storage rack. Transfer power cords for BBRA1, BBRA2 and DLT1 to new power bars.
- 1884 Expand ProLiant Server rack BBSR4 to two bays (BBSR4 & BBSR5).
- 1895 Upgrade NPCLVBDC from Prosignia 500 to ProLiant ML530
- 1896 Upgrade NPSLPBDC from Prosignia 500 to ProLiant ML530:
- 1897 Upgrade NPGANBDC from Prosignia 500 to ProLiant ML530
- 1898 Upgrade NPGRFBDC from Prosignia 500 to ProLiant ML530:
- 1899 Upgrade NPCRBBDC from Prosignia 500 to ProLiant ML530:
- 1900 Upgrade NPSTVBDC from Prosignia 500 to ProLiant ML530:
- 1901 Upgrade NPREGBDC from Prosignia 500 to ProLiant ML530:
- 1925 Replace Remote Insight Board.
- 1926 Install security servers (2) in rack (BBSR5).:
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 - NPSECOND (Security Console) & NPEMBERS (Firewall).:
- 1928 Relocate Salt Pond servers (NPSLPBDC).
- 1964 Add new area servers to NFPOWER_DOMAIN: NPWHTSRV, NPPTUSRV and NPPABSRV.
- 1966 Install new server NPWHTSRV in Whitbourne office.

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- 1967 Install new server NPPTUSRV in Port Union office.
- 1968 Install new server NPPABSRV in Port-aux-Basques office.
- 1976 Install Windows 2000 Terminal Services and Deploy to Petty Harbour, Mobile, Bell Island and Hearts Content.
- 2019 Replace AC receptacle supplying NPGANBDC with isolated ground.
- 2025 Install redundant hard drive for Notes data volume.
- 2036 Replace failed Raid Drive
- 2058 Refresh disk hardware in NP_KEN_NOTES.
- 2132 Install new ProLiant DL380 in SCC computer room as NPSCCFMS
- 2146 Move NPBOSSIIS2 from Kenmount computer room to Duffy computer room.
- 2147 Return Aspect CTI/IVR/DDR services to NPKENORC4; shutdown NPDUFORC3 in order to replace failed KVM switch.
- 2153 Configure NPKENSMOM and join NFPOWER_DOMAIN
- 2171 Reboot server to fix lockup problem
- 2173 Upgrade RAM in NPKENEX3 from 1GB to 2GB.
- 2190 Replace Cache Battery to fix the UnderVoltage warnings on Draco OSS Disk array.
- 2207 Re-locate server within rack and install Remote Insight Board.
- 2210 Update pcANYWHERE to current version and re-apply SP6a
- 2217 Replace Spares in Corvus OSS Disk Array
- 2244 Repair Tape Drive on Draco
- 2248 (1) Replace internal SCSI cable on Channel 2 of BBRA4.1
(2) Complete off-line verification of NTFS file system on USER1 RAID array.
- 2251 Re-boot NPCRBBDC in order to reset mouse interface.
- 2308 Upgrade individual hard drive BIOS's to current versions.
- 2338 Replace Hard Drive on OSS Rack. Move Oracle Archive logs to new Drive.
- 2354 (1) Install second processor upgrade in NP-KEN-USER2. (2) Install Remote Insight Board in NP-KEN-USER2.
- 2355 Install second processor upgrade in NP-KEN-USER1.
- 2363 Re-apply SP6a and security hotfixes in order. Test install process on NP-KEN-USER2 first; then complete on NP-KEN-USER1.

- 2370 Apply patch to hard drive firmware.
- 2382 Reboot server to clear memory leak.
- 2419 Install Remote Insight Board in SCC file and print server (NPSCCBDC).
- 2433 Upgrade the Windows NT nfpower_domain domain to Active Directory.
- 2456 Computer Room Shutdown to relocate Aspect Power Supplies and Batteries, Also to connect EPO (Emergency Power Off) module to the Fire Suppression System. During this time routine scheduled maintenance on Duffy Place Fire Suppression system, Alpha servers and disks, A/C systems etc.
- 2478 Temporary shutdown of NPDEVEX6 in order to use system as temporary PDC. Remove and store hard drives until Active Directory migration is complete.
- 2499 Need to add a driver to the Clarendville server and set up a print queue for a HP DesignJet 430 printer. This printer driver is not on the server and will be installed from a driver downloaded from the Internet.

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2536 Reboot NP-KEN-USER2

2571 Shutdown/power-down/power-up/Re-boot NP-KEN-USER2 to reset mouse and ARCserve interfaces.

2574 Replace failed power supply in ProLiant server.

2577 De-commission NPDEVCOG2

2593 Install Remote Insight Board in NP-KEN-USER2

2600 Install 1 additional CPU and Power Supply in Draco.

2625 Replace / Repair left CRD5500 Raid Controller