Netbackup UAT for MFS:

1. Installation test in the master server and verification of Netbackup version for master, media and clients

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| Item | Installation test by checking the NetBackup administration console and version check |
| Prerequisites | The Device is power on, |
| Test procedure | Login to master server , all other SAN media servers and Clients and run “cat /usr/openv/netbckup/version”  Check the backup status:  In GUI —>  Activity monitor In CLI —>  #bpdbjobs –report  Check all the Netbackup services using the command:  ./bpps -x |
| Expected results | Installed Netbackup version is 7.7.1  Netbackup Report output should be all right |
| Results | 口Pass 口Fail 口Not test |
| Remarks |  |

2. Verification of Netbackup Licenses

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| Item | Check all the Netbackup license |
| Prerequisites | The Device is power on, |
| Test procedure | * Run the following command on master server   #/opt/openv/Netbackup/bin/admincmd/get\_license\_key   * Select “List Registerd Licence Keys” and verify the output |
| Expected results | All license key should match with the license document. |
| Results | 口Pass 口Fail 口Not test |
| Remarks |  |

3. Media server’s connectivity

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| Item | Check media server’s connectivity with the tape library |
| Prerequisites | The Device is power on, |
| Test procedure | Display drive configuration:  /usr/openv/volmgr/bin/tpconfig -d | -dl | -l |
| Expected results | Netbackup Report output should be allright |
| Results | 口Pass 口Fail 口Not test |
| Remarks |  |

4. System information: NBU Media servers:

Master and main media server are configured in the same machine here.

Following table shows the list of configured SAN media servers.

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| Hostname | Site | OS |
| SUNMFSPRPRODDB01 | MFS | Solaris 10 |
| SUNMFSPRPRODDB02 | MFS | Solaris 10 |
| SUNMFSPRRPTDB01 | MFS | Solaris 10 |

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| Item | Check whether all the Media servers are there or not in the Media server list |
| Prerequisites | The Device is power on and Net backup services should be running in the media servers |
| Test procedure | Go to Netbackup administration Console>Host properties>Media Servers |
| Expected results | All the media servers will be shown in the media servers list |
| Results | 口Pass 口Fail 口Not test |
| Remarks |  |

5. Check the Netbackup services in the master server:

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| Item | Check whether all the services are running or not in the client machines. |
| Prerequisites | The Device is power on, |
| Test procedure | Display services status :  cd /usr/openv/netbackup/bin:  ./bpps -x |
| Expected results | Netbackup Report All the services will be running |
| Results | 口Pass 口Fail 口Not test |
| Remarks |  |

6. Check created Policies (1 policy for control domain/physical server, 4 policies for 4 LDOMS, 2 policies for configuration backup, 4 policies for export backup for 4 DB nodes, 3 policies for RMAN backup for 3 DB nodes and one catalog backup policy according to the document)

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| Item | Check all the policies created for taking backups of the client machines. |
| Prerequisites | The Device is power on and all the Netbackup services must be running |
| Test procedure | Check all the attributes, Schedule, Client Name and type of the policies :  Go to Net Backup Administration Console > NetBackup Management > Policies > Check all the attributes, Schedule, Client Name and type of the policies |
| Expected results | All the policies are configured according to the document. All the mount points mentioned in the policy document will be shown in the backup selection. |
| Results | 口Pass 口Fail 口Not test |
| Remarks |  |

7. Run the policy manually

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| Item | Run the policy manually to take the file system/directory backup of the client machines |
| Prerequisites | The Device is power on, all the Netbackup services in the master server and client must be running. |
| Test procedure | Check all the attributes, Schedule, Client Name and type of the policies :  Go to Net Backup Administration Console > NetBackup Management > Policies > Select the specific policy > Right click on that policy > Manual Backup  See the status of the backup in the activity monitoring window.  Right click on the job ID/Policy > Details > Detailed Status Tab  See whether any file is skipped or not. |
| Expected results | Backups will complete showing status 0 and in the detailed status no files will be skipped and no error will be shown. |
| Results | 口Pass 口Fail 口Not test |
| Remarks |  |

8. Check restoration of all file system backup

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| Item | Check the restoration of single backup of a single client |
| Prerequisites | The Device is power on and all the services must be running. |
| Test procedure | Check restoration:  Go to Net Backup > Administration Console > Backup, Archive and Restore Restore files Tab > Specify NetBackup Machines and policy Types > Contents of selected directory > Restore |
| Expected results | Restoration will complete showing status 0 and in the detailed status no files will be skipped. |
| Results | 口Pass 口Fail 口Not test |
| Remarks |  |

9. Check RMAN Backup

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| Item | Run the RMAN backup policy manually to take the RMAN backup of the client machines(policy for mmoney1, mmoney2 and ggmmoney) |
| Prerequisites | The Device is power on, all the Netbackup services in the master server and client must be running. |
| Test procedure | Check all the attributes, Schedule, Client Name and type of the policies( for script base backup and also check instance name for instance base backup) :  Go to Net Backup Administration Console > NetBackup Management > Policies > Select the specific policy > Right click on that policy > Manual Backup  See the status of the backup in the activity monitoring window.  Right click on the job ID/Policy > Details > Detailed Status Tab  See whether any file is skipped or not. |
| Expected results | Backups will complete showing status 0 and in the detailed status no files will be skipped and no error will be shown. |
| Results | 口Pass 口Fail 口Not test |
| Remarks |  |

10. Restoration of RMAN backup

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| Item | Restoration of RMAN backup |
| Prerequisites | Installation of NetBackup  Working client in NetBackup  Network connectivity  DBA presence |
| Test procedure | Restore the database using the script in /usr/openv/netbackup/ext/db\_ext/oracle/samples/rman/database\_restore.sh  To run the script, simply on the destination client run:  ./usr/openv/netbackup/ext/db\_ext/oracle/samples/rman/database\_restore.sh |
| Expected results | Restoration should complete showing status 0 |
| Results | 口Pass 口Fail 口Not test |
| Remarks |  |