MISSION OPERATIONS CENTER

MOC Rebuild MOC Server
from
MOC -Crunch

P0900 Rev A
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**Equipment Required:**
- ESD Ground Straps

**Scope:**
In the event of a Mission Operations Center (MOC) system failure during mission operations, it is imperative that the System Administrator/Designee be contacted immediately.

The purpose of this document is to provide instructions for MOC personnel to follow in the event the MOC Server goes down and rebuild of a new MOC server is needed.

**Applicability:**
This procedure applies to all personnel involved MOC operations. The requirements outlined in this document are mandatory.

**Quality Assurance**
Quality Engineering is to be notified prior to performance of any hardware troubleshooting/replacement and will witness all actions. If Quality Engineering is not available they may delegate the Quality tasks to the MOC Mission Operations Manager. All actions taken will be documented in the MOC Test Anomaly Report.

**Responsibilities:**
System Administrator or Designee  Name __________  Date __________

- Moc-server rebuild (failed unit): CHECK
- In HEPL, shutdown moc-crunch (use key to physically ______
turn off (turn counterclockwise 90°)

- If power is not already off moc-server, turn power off.

- Disconnect all cables from MOC server including the power cable.

- Open the server front panel and remove hard disks.

1. Remove moc-server from rack, put next to moc-crunch

2. Side by side, open front panel of both 250’s with key.

3. Connect ESD ground strap to a suitable ground system.

**NOTE**

INDEPENDENT PERFORMING REBUILD WILL WEAR A ESD WRIST STRAP.

4. Remove **one** disk out of moc-crunch, label and set aside.

5. Do a slot to same slot transfer of disks from moc-server to moc-crunch.

6. Close and lock front panel door.

7. Put moc-crunch into rack.

8. Reconnect labeled cables.

9. Reconnect power Cables.

10. Power-up by turning switch to “vertical bar”

11. Reboot moc-sever clients.


**Summary:**

Incorporation of the items in this procedure will ensure that all rebuild activities are kept
to a minimum and will prevent the unnecessary replacement of MOC hardware.

- Connect ESD ground strap to a suitable ground system. _______
- Individual performing rebuild will wear an ESD wrist strap. _______
- Schedule to repair failed unit. _______
- Moc-crunch rebuild (new Moc server): CHECK
  - Power down Moc-crunch. _______
  - Connect ESD ground strap to a suitable ground system. _______
  - Individual performing rebuild will wear an ESD wrist strap. _______
  - Open front panel and remove internal hard disk. ESD wrap disks and store in appropriate area. _______
  - Plug-in disks that were removed from failed server. _______
  - Reinstall front panel. _______
  - Reconnect cables. _______
  - Restore Power. _______
  - Reboot MOC-server clients. _______

SUMMARY
Incorporation of the items in this Procedure will ensure that all rebuild activities are kept to a minimum and will prevent the unnecessary replacement of MOC hardware.