Diskman v4-02 User Manual

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05/19/2020

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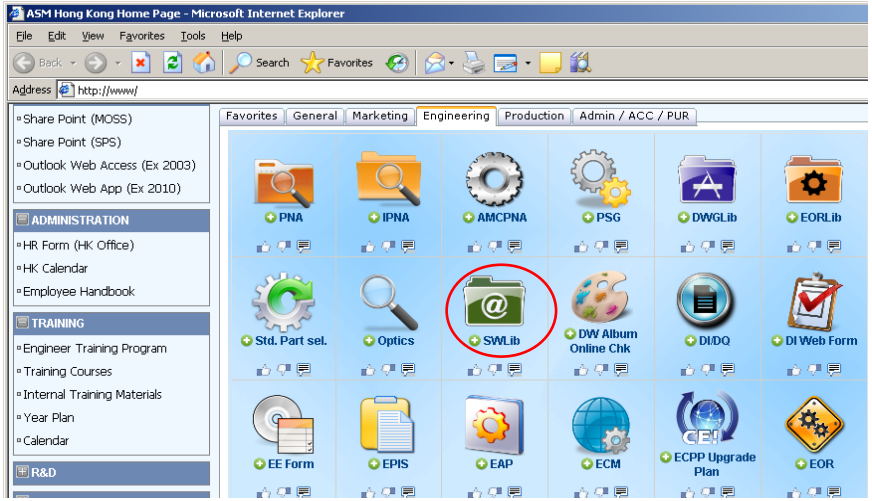
Prerequisites

- **Download Diskman**
  - From SWRLib: http://www.asmpt.com/
    - Software Part No: 10-300954
    - Download the updated version
  - Unzip it under root directory (e.g. C:\)



- **OS**
  - WinPE
  - Windows10 64bit
- **Key Verification**
  - Get key from: https://ias-sg.asmpt.com/SecurityKeyGen/
  - For Detail refer to here:
- **Run Diskman in "Administrator mode"**
  - Run diskman without argument, it will provide normal functions
  - Run diskman with argument "\e", enhance functions will be enable in "Other Functions"

Outline

- Quick view
- Overview
  - Environment
  - Key Verification
  - Menu Hierarchy
- Diskman Step By Step
- Format of config.xml for custom backup
- BIOS Setting When Booting From USB Thumb
- Procedure to change default config file

Quick View

- **To restore OS image (“10-M” in wim format) to harddisk:**

  Restore Harddisk

  **(OS images were made to have minimum WES partition to suit all the products(partition1:100000MB; partition2:10000MB). Product teams should determine and fix the partition sizes to fit their need before OS image restoration)*

- **To backup a harddisk to an wim image:**

  Backup Harddisk

- **To restore partition from an wim image:**

  Restore Partition

  (partition can be select if the image contain more than one partitions.)

- **To backup a partition to an wim image:**

  Backup Partition

Overview

- **Environment**
  - Install Diskman
    - How to make WinPE bootable USB thumb
    - How to Install WinPE to Windows HDD for Dual Boot
  - How to run DiskMan under WinPE
  - How to run DiskMan under Windows10 64bit
- **Key Verification**
- **Menu Hierarchy**
  - Main Menu
  - Edit Partition
  - Other Function
  - Custom Function

Environment – Install Diskman

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- **How to make WinPE bootable USB thumb**
  - Start a command prompt
  - Go to the DiskMan directory
  - Type in diskman.exe /e and [Enter] to start
  - Follow the steps to make bootable USB thumb

- **How to Install WinPE to Windows HDD for Dual Boot**
  - Start a command prompt, go to DiskMan directory and type in diskman.exe /e then [Enter]
  - Follow the steps to make Dual Boot
  - **Most Release wim Image("10-M") already include Dual Boot drive (D:\)*

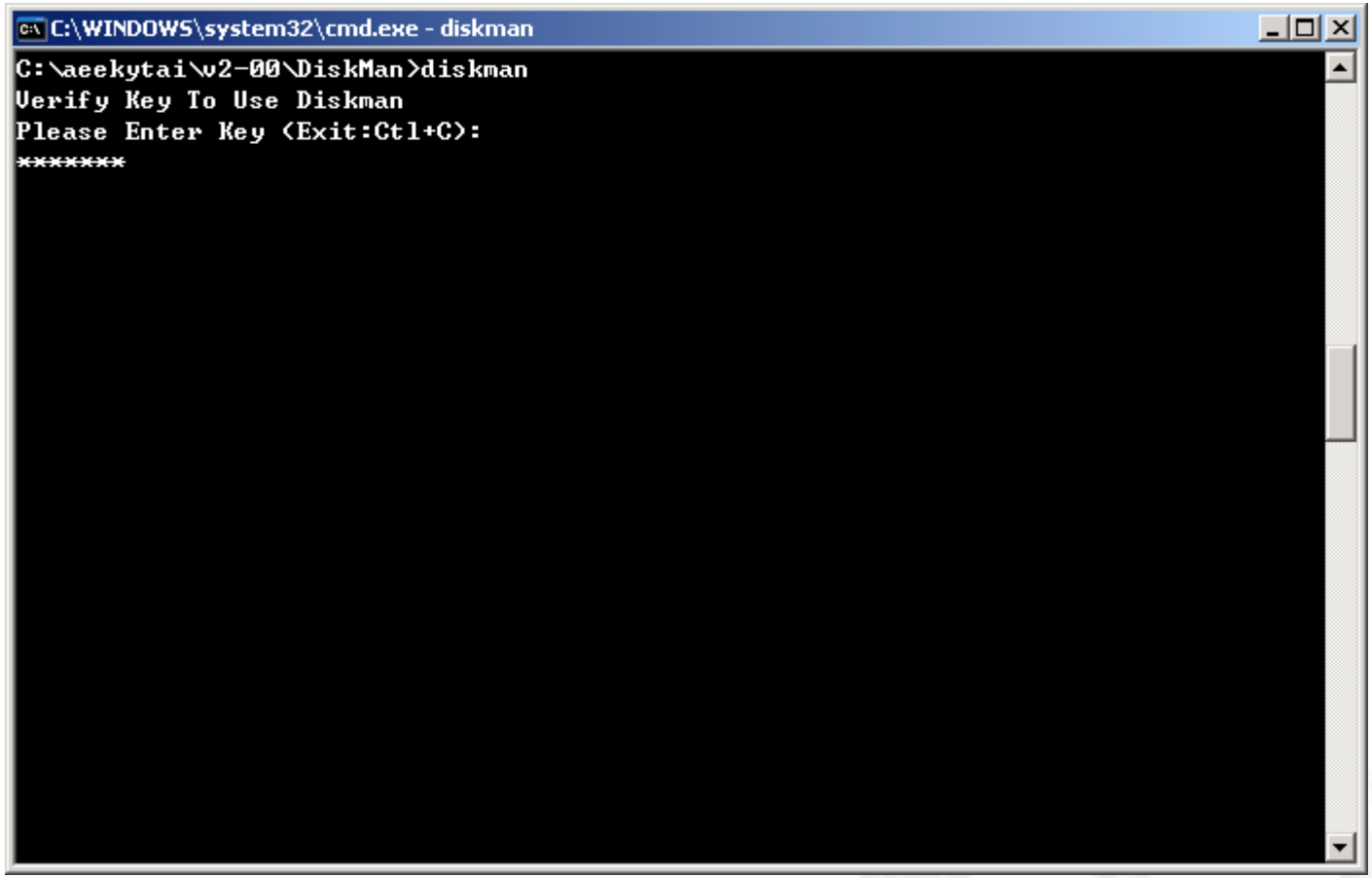
Environment – Run Diskman under WinPE

- **How to run DiskMan under WinPE**
  - **Boot WinPE**
    - **From bootable USB thumb**
      - Insert bootable USB thumb
      - Select boot from USB/USB HDD in BIOS
      - AT Boot Menu, select "Boot up using WinPE" (Press down arrow **in 10 seconds**)
      - **If bootable USB thumb is inserted to pc, Windows10 64bit cannot be boot in a normal way*
    - **OR From D:\ drive**
      - Support if Harddisk has installed Dual boot
      - AT Boot Menu, select "Boot up using WinPE" (Press down arrow **in 3 seconds**)
  - **Run Diskman**
    - Click on DiskMan from Start menu
      or
      Start a command prompt, go to DiskMan directory (under USB thumb or D:\)
    - type in "diskman.exe /e" then [Enter]

Environment - Run Diskman under Windows10 64bit

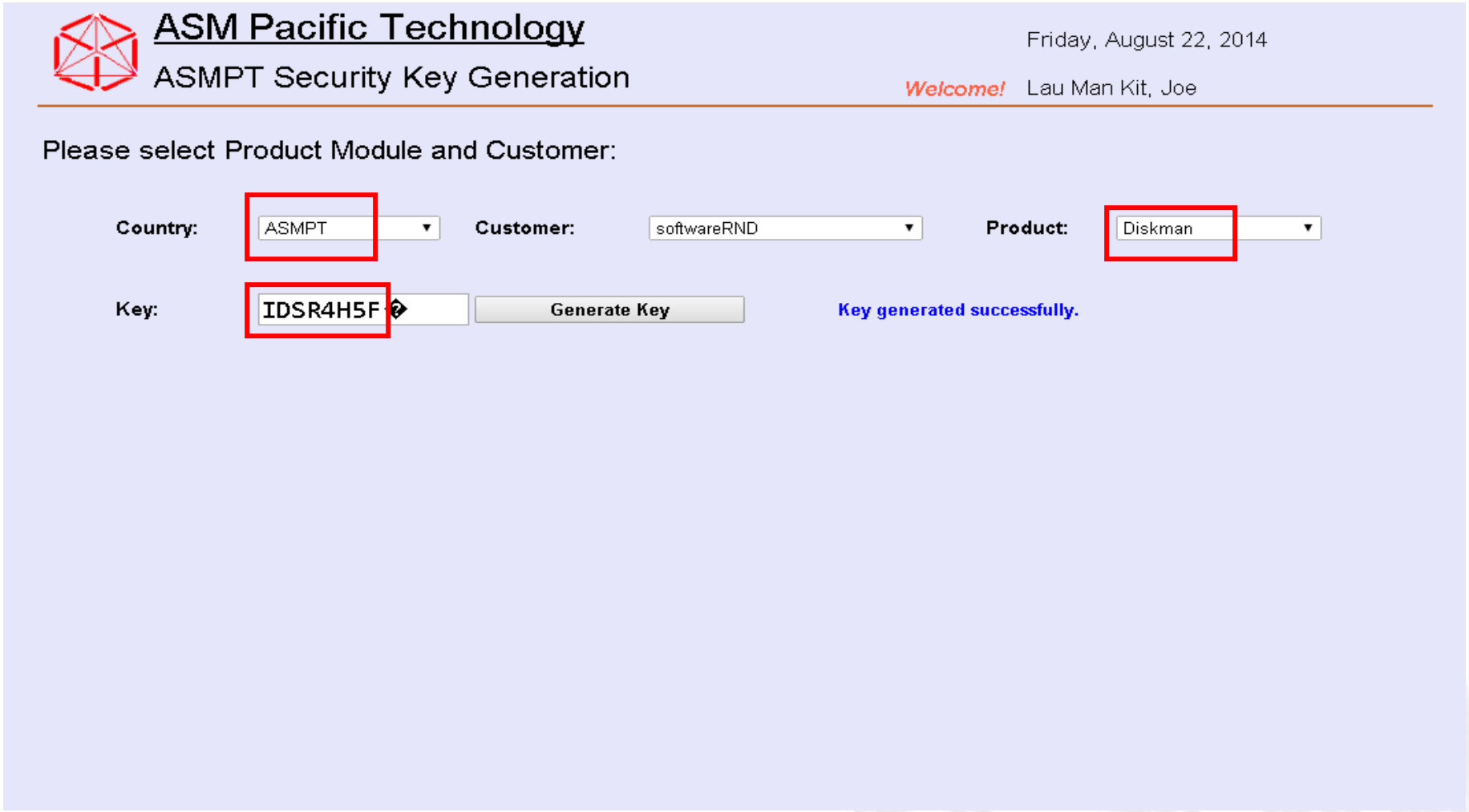
- **How to run DiskMan under Windows10 64bit**
  - Boot up Windows10 64bit
  - unzip downloaded DiskMan under root directory
    - Suggestion: Unzip under system partition(usually C:\)
  - Start a command prompt, go to DiskMan directory and type in "diskman.exe /e" then [Enter]

Overview (Key Verification)



Type in key obtained from web:
https://service-sg.asmpt.com/securitykeygen/Default.aspx
and press ENTER to verify

Overview (Key Verification)

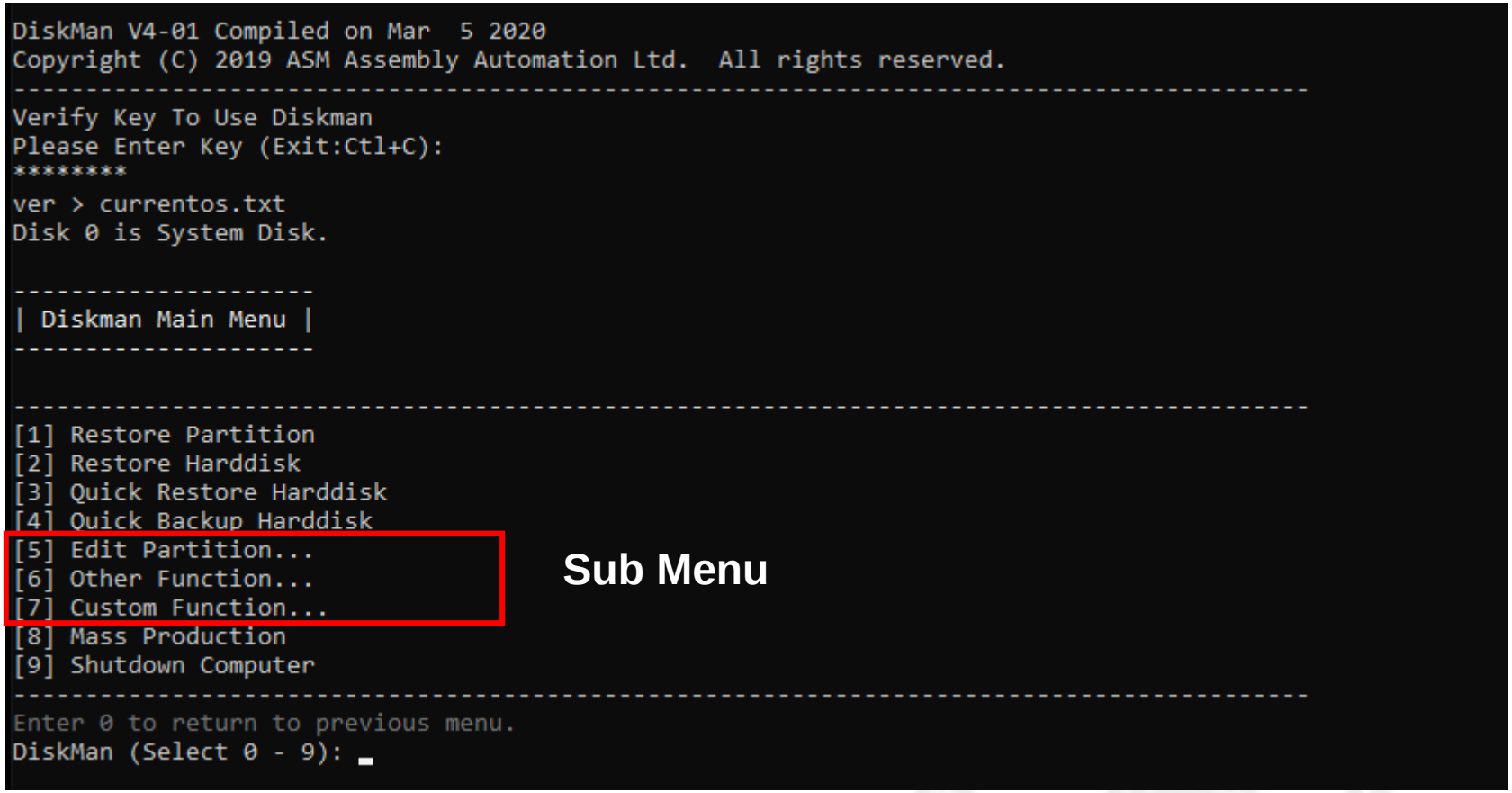


Overview (Menu Hierarchy)

- [1] Restore Partition
- [2] Restore Harddisk
- [3] Quick Restore Harddisk
- [4] Quick Backup Harddisk
- [5] Edit Partition…
- [6] Other Function…
  - [1] Backup Partition
  - [2] Backup Harddisk
  - [3] Restore MBR
  - [4] Clean Harddisk(Delete All Partitions From A Harddisk)
  - [5] Make Bootable USB Thumb
  - …
- [7] Custom Function…
  - [1] Change Config File
  - … (Custom Function configured by Config File)
- [8] Mass Production
- [9] Shutdown Computer

Available when type "diskman.exe /e" to start diskman

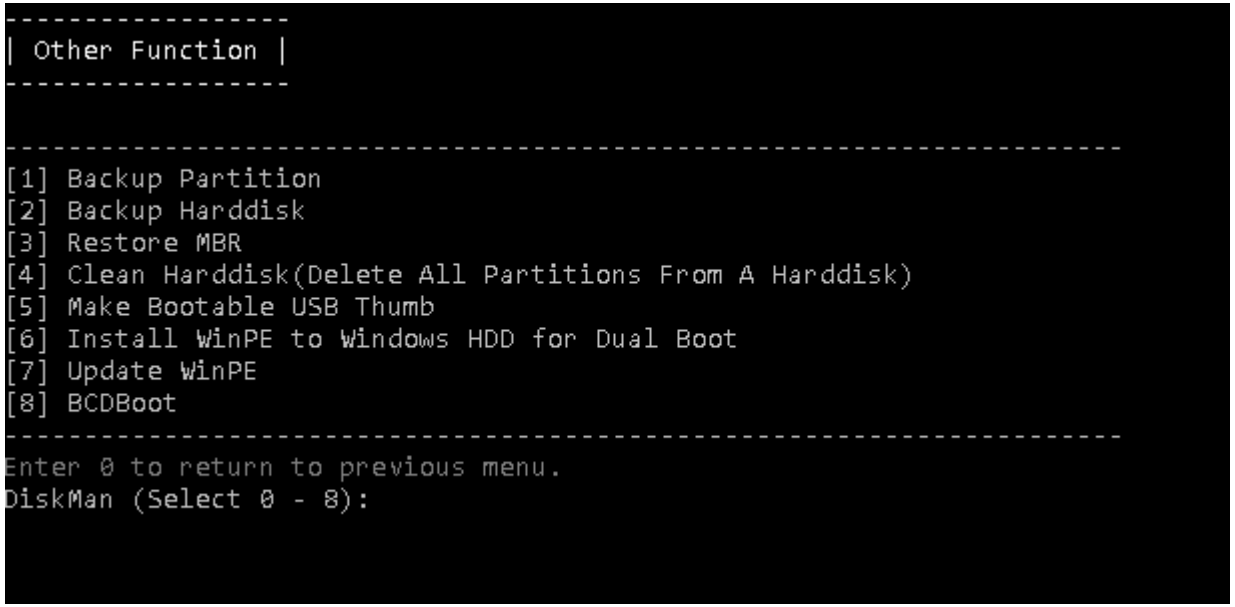
Main Menu



Sub Menu

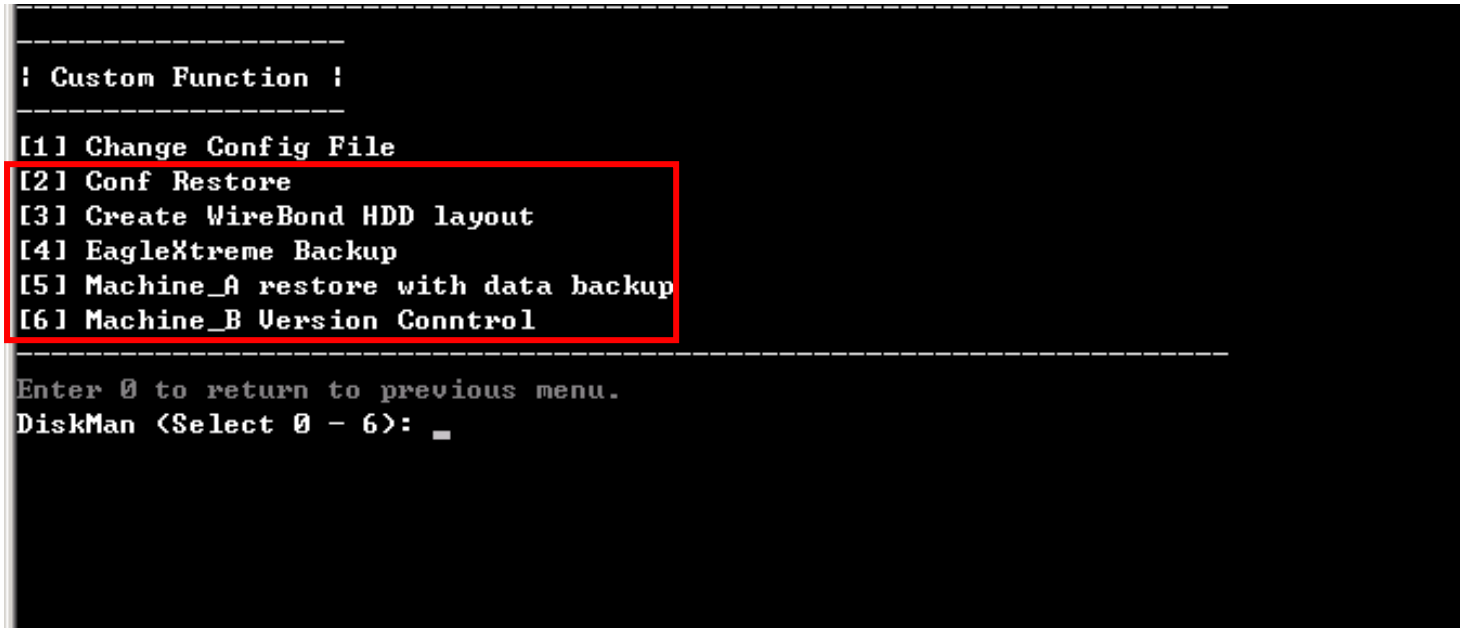
Edit Partition (Sub Menu 1)

Other Function (Sub Menu 2)



Custom Function (Sub Menu 3)

Configured by xml file

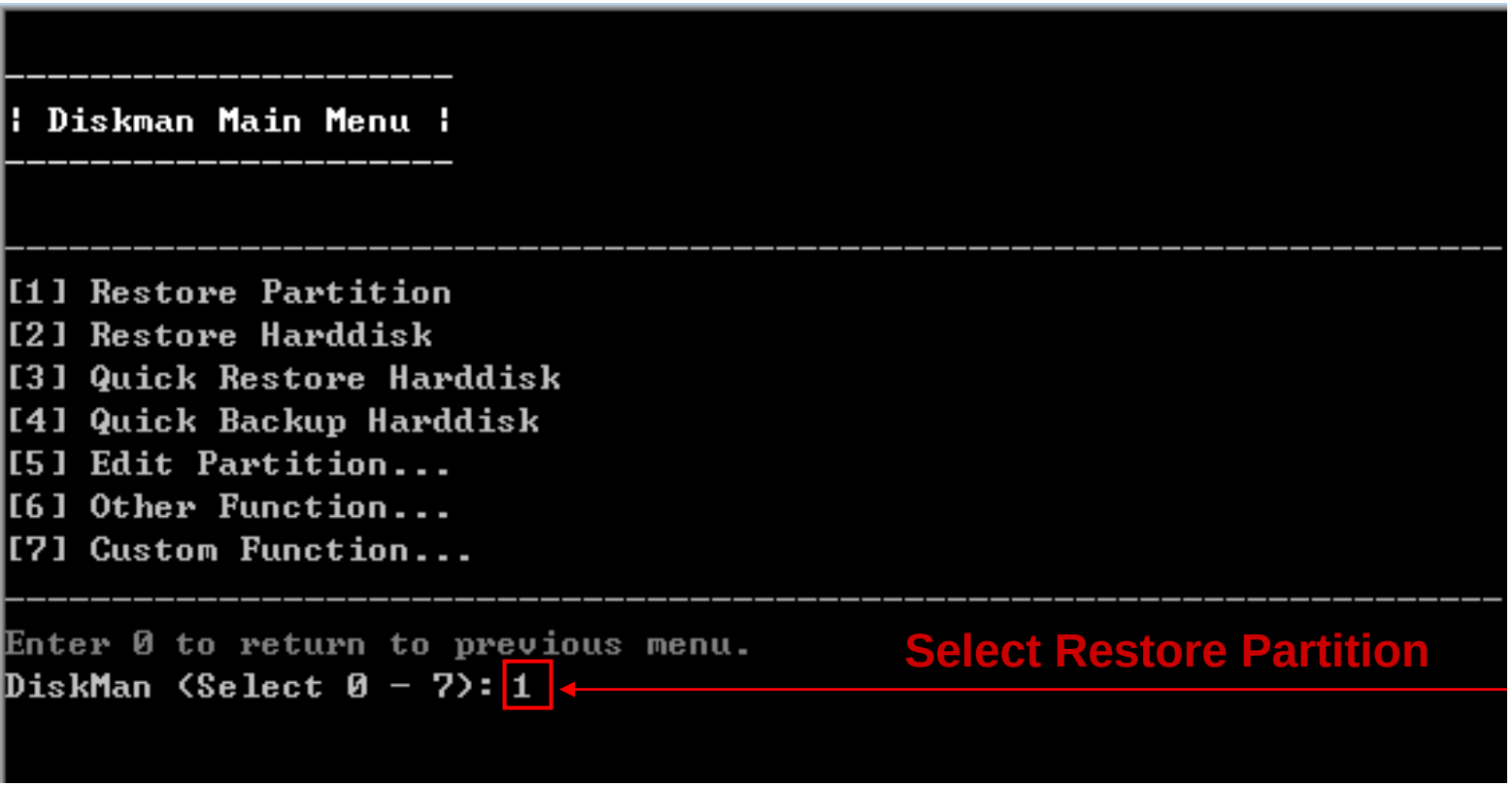


Diskman Step By Step

- [1] Restore Partition
- [2] Restore Harddisk
- [3] Quick Restore Harddisk
- [4] Quick Backup Harddisk
- [5] Edit Partition…
- [6] Other Function…
  - [1] Backup Partition
  - [2] Backup Harddisk
  - [3] Restore MBR
  - [4] Clean Harddisk(Delete All Partitions From A Harddisk)
  - [5] Make Bootable USB Thumb
  - …
- [7] Custom Function…
  - [1] Change Config File
  - … (Custom Function configured by Config File)
- [8] Mass Production
- [9] Shutdown Computer

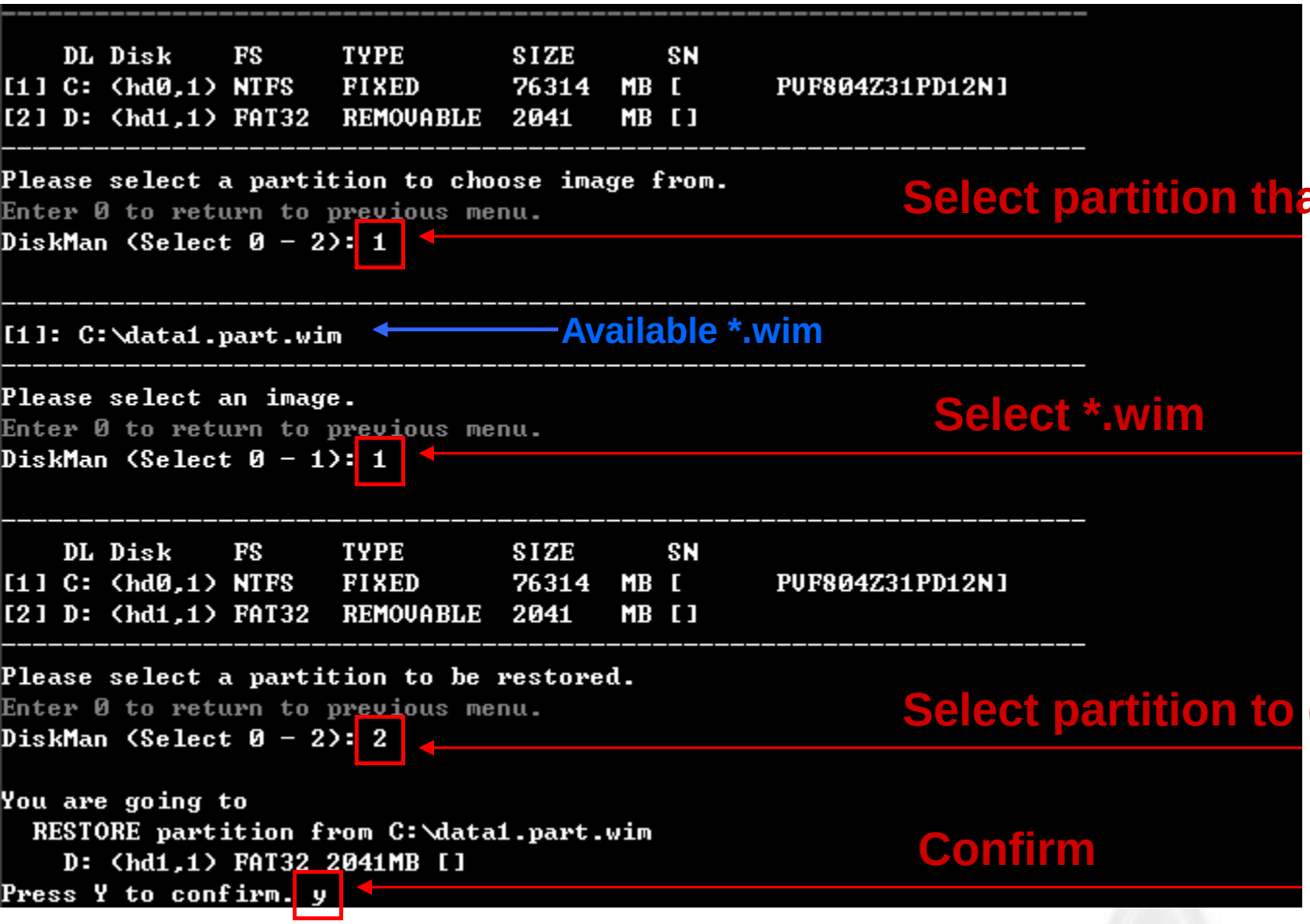
Available when type "diskman.exe /e" to start diskman

Restore Partition



Remind: Please select the original image to do “Restore Partition”

Restore Partition

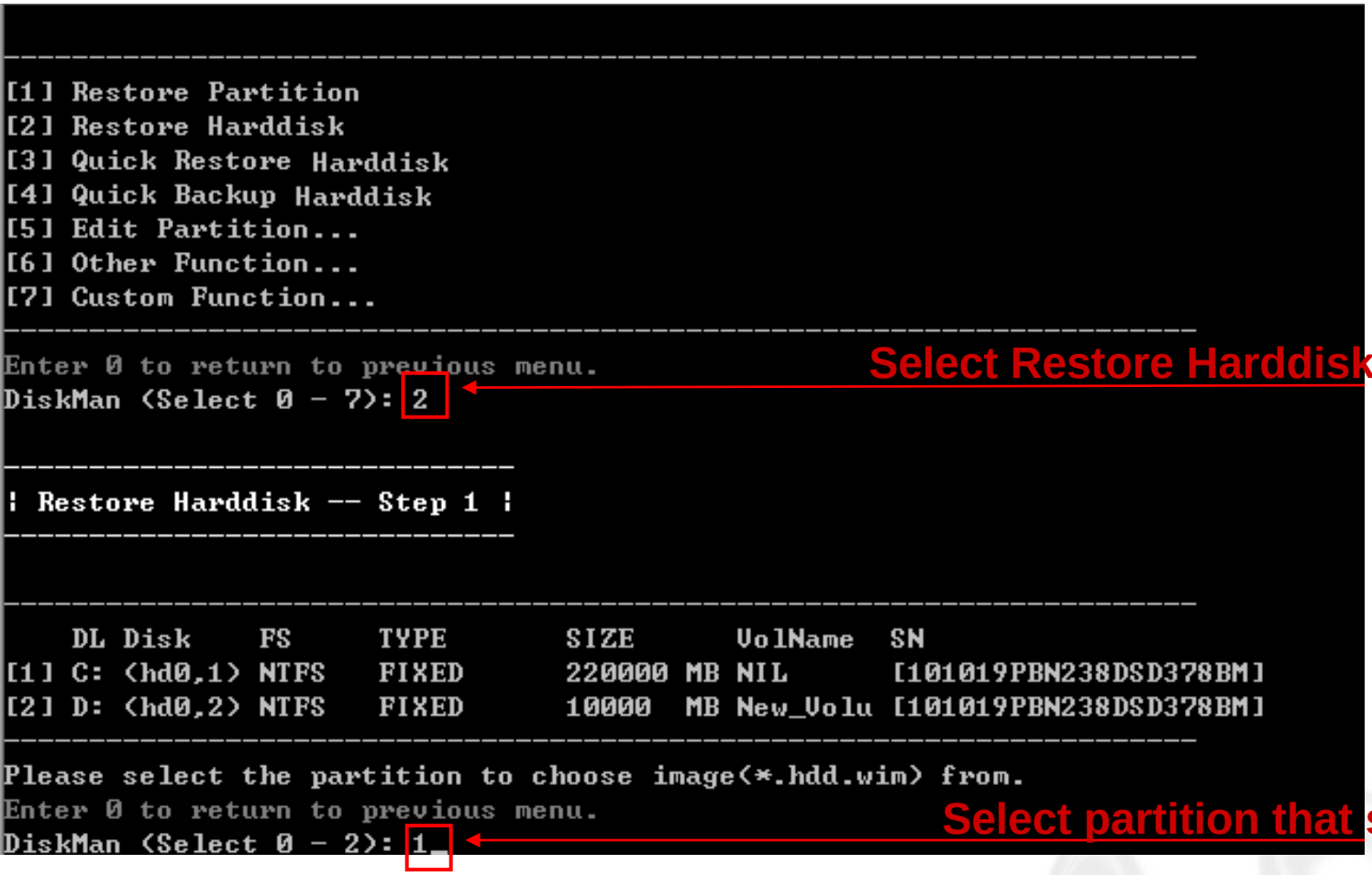


*Restricted for image named as ***.part.wim*** to avoid potential error

Remind: Please read Q&A.doc: Q2, if have problem in boot up the OS after restore.

Resize Harddisk layout

Restore Harddisk Demo : Resize Harddisk layout



Restore Harddisk Demo : Resize Harddisk layout

Restricted for image named as ***.hdd.wim** to avoid potential error

Restore Harddisk Demo : Resize Harddisk layout

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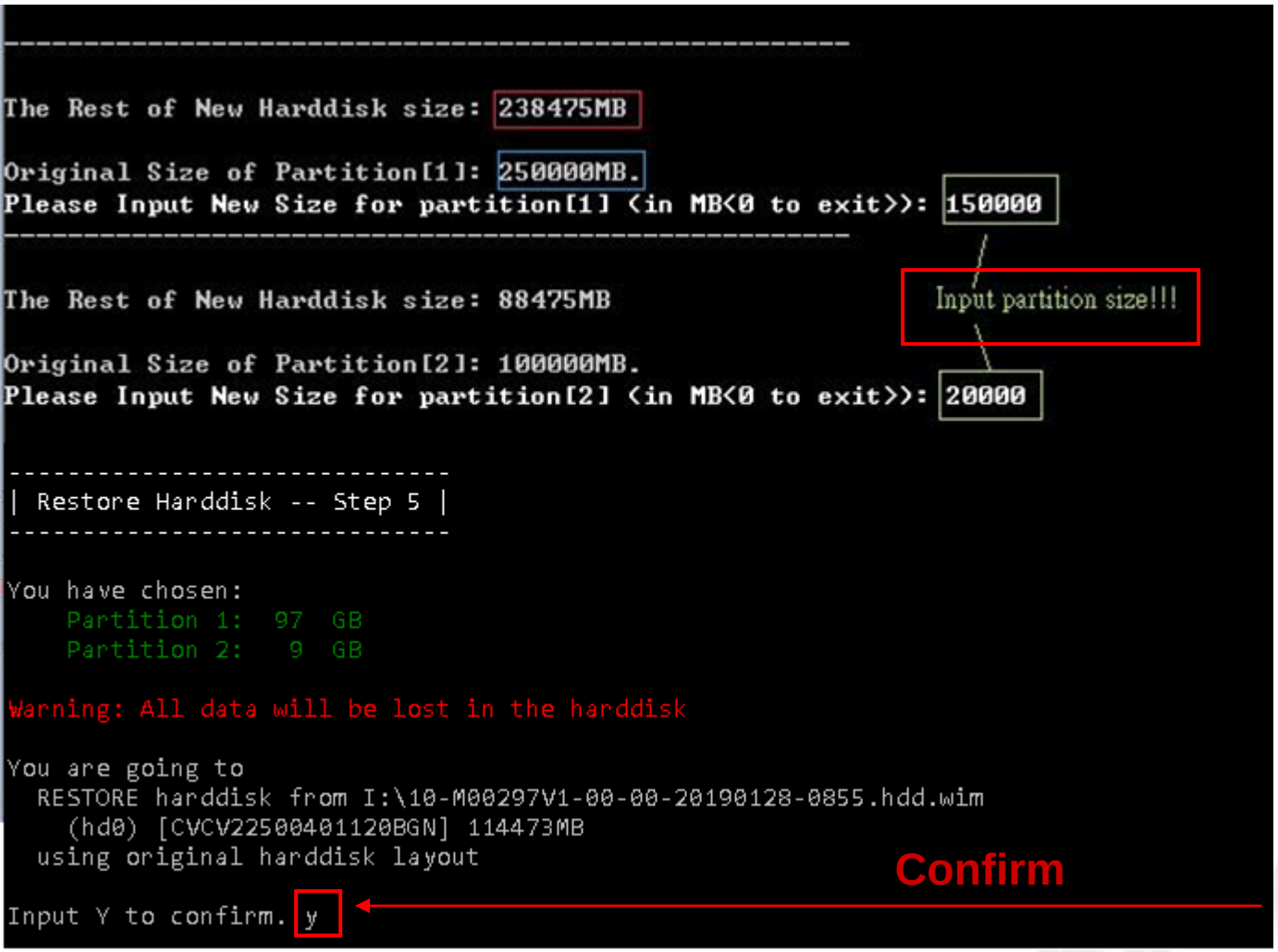
```
------------------------------
| Restore Harddisk -- Step 4 |
------------------------------
mkdir J:\tmp
rmdir J:\tmp /s /q

------------------------------------------------------------------------
Select New Harddisk Layout:

The partition sizes below are estimation, they may have slightly different with the actual sizes.

[1] Use original harddisk layout
    Partition 1:  97  GB
    Partition 2:   9  GB
[2] Use proportional harddisk layout
    Partition 1:  97  GB
    Partition 2:   9  GB
[3] Use original harddisk layout while last partition using left over space
    Partition 1:  97  GB
    Partition 2:  14  GB
[4] Use customize harddisk layout
------------------------------------------------------------------------
Please select the way to create harddisk layout.
Enter 0 to return to previous menu.
DiskMan (Select 0 - 4): 4
mkdir J:\tmp
dism.exe /Apply-Image /ImageFile:I:\10-M00297V1-00-00-COMPLETED-2019021-0847.hdd.wim /ApplyDir:J:\tmp /Name:"PT.sav" /Verify

Deployment Image Servicing and Management tool
Version: 10.0.14393.0

Applying image
[==========================100.0%==========================]
The operation completed successfully.
```

Select the harddisk layouts

Remind: There have four harddisk layouts to choose, this demo is showing one the selection.

Restore Harddisk Demo : Resize Harddisk layout



Quick Backup Harddisk & Restore

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- **Aim**
  - Less steps/input to process backup/restore Harddisk

- **Requirement:**
  - Can only process under WinPE
  - Need USB thumb with enough space (Min: 16GB)
    - Backed up Harddisk image will store at USB thumb as "quick.hdd.wim"
    - Restore Harddisk will search USB thumb with image name "quick.hdd.wim"
  - The quick Functions only support ONE Harddisk on the pc, otherwise it will stop and it is suggest to use normal backup and restore more than one Harddisk on the pc.

Quick Backup Harddisk

```
--------------------
| Diskman Main Menu |
--------------------

------------------------------------------------------------------------
[1] Restore Partition
[2] Restore Harddisk
[3] Quick Restore Harddisk
[4] Quick Backup Harddisk
[5] Edit Partition...
[6] Other Function...
[7] Custom Function...
------------------------------------------------------------------------
Enter 0 to return to previous menu.
DiskMan (Select 0 - 7): 4
```

:Select Quick Backup Harddisk:

```
----------------
| Quick Backup Harddisk |
----------------

------------------------------------------------------------------------
Quick Backup Harddisk will backup the harddisk and name it as
"quick.hdd.wim", then store the quick.hdd.wim at USB thumb.
Current "quick.hdd.wim" will be remove.
Do you want to START Quick Backup Harddisk NOW?
------------------------------------------------------------------------
You are goint to
   Quick Backup Harddisk
Input Y to Confirm.
```

:Input Y to start backup:

Quick Backup Harddisk

```
------------------------------
| ---  Start Quick Backup Harddisk  --- |
------------------------------
Available USB Thumb:

-------------------------------------------------------------------------
    DL Disk    FS     TYPE       SIZE      VolName  SN
[1] E: (hd1,1) FAT32  REMOVABLE  29569  MB FLASH_DR [] <-- Display excess USB thumb
-------------------------------------------------------------------------
Harddisk to be BACKUP:
(hd0) [101019PBN238DSD378BM] 238475MB
-------------------------------------------------------------------------
Image Name: quick.hdd.wim
The Image will store at USB Thumb: "E:\" <-- Choose first USB thumb and store wim at there
-------------------------------------------------------------------------
=========================================================================
====Diskman: Backup Harddisk... Start


Start Time and Date: Thu Apr 02 16:42:16 2015 <-- Start of Backup Harddisk

…
…
…

Finish Time and Date: Thu Apr 02 17:10:57 2015 <-- End of Backup Harddisk


====Diskman: Backup Harddisk... Done Successfully
=========================================================================
```

Quick Restore Harddisk

```
---------------------
| Diskman Main Menu |
---------------------

------------------------------------------------------------------------
[1] Restore Partition
[2] Restore Harddisk
[3] Quick Restore Harddisk
[4] Quick Backup Harddisk
[5] Edit Partition...
[6] Other Function...
[7] Custom Function...
------------------------------------------------------------------------
Enter 0 to return to previous menu.
DiskMan (Select 0 - 7): 3
```

:Select Quick Backup Harddisk:

```
-----------------
| Quick Restore Harddisk |
-----------------

------------------------------------------------------------------------
Remind:
1. Make sure USB thumb use in restore contain "quick.hdd.wim" image.
2. Harddisk 1 (First harddisk recognize by Explorer) will do restore.
------------------------------------------------------------------------
You are goint to
   Quick Restore Harddisk
Input Y to Confirm.
```

Quick Restore Harddisk message

:Input Y to start :

Quick Restore Harddisk

```
-----------------------------------
| Quick Restore Harddisk Harddisk -- Step 1 |
-----------------------------------
Available USB Thumb:

-------------------------------------------------------------------------
    DL Disk    FS     TYPE       SIZE      VolName  SN
[1] E: (hd1,1) FAT32  REMOVABLE  29569  MB FLASH_DR []
-------------------------------------------------------------------------
USB Thumb select: "E:\"
Available IMAGE file(s):

-------------------------------------------------------------------------
[1]: E:\quick.hdd.wim
-------------------------------------------------------------------------
Select E:\quick.hdd.wim

-----------------------------------
| Quick Restore Harddisk Harddisk -- Step 2 |
-----------------------------------

Harddisk layout info of the image: E:\quick.hdd.wim
-------------------------------------------------------------------------
Harddisk total size = 238475MB
-------------------------------------------------------------------------
```

Quick Restore Harddisk

```
…
…
-----------------------------------
| Quick Restore Harddisk Harddisk -- Step 3 |
-----------------------------------
Warning: All data in the harddisk will be lost

You are going to
  RESTORE harddisk from E:\quick.hdd.wim
    (hd0) [101019PBN238DSD378BM] 238475MB
  using original harddisk layout

================================================================================
====Diskman: Restore Harddisk Start

Start Time and Date: Thu Apr 02 17:17:40 2015

Clean selected hard disk:
…
…
…
Bootcode was successfully updated on all targeted volumes.

Finish Time and Date: Thu Apr 02 17:23:02 2015

====Diskman: Restore Harddisk Done Successfully
================================================================================
```

Harddisk to be restore

Start of Restore Harddisk

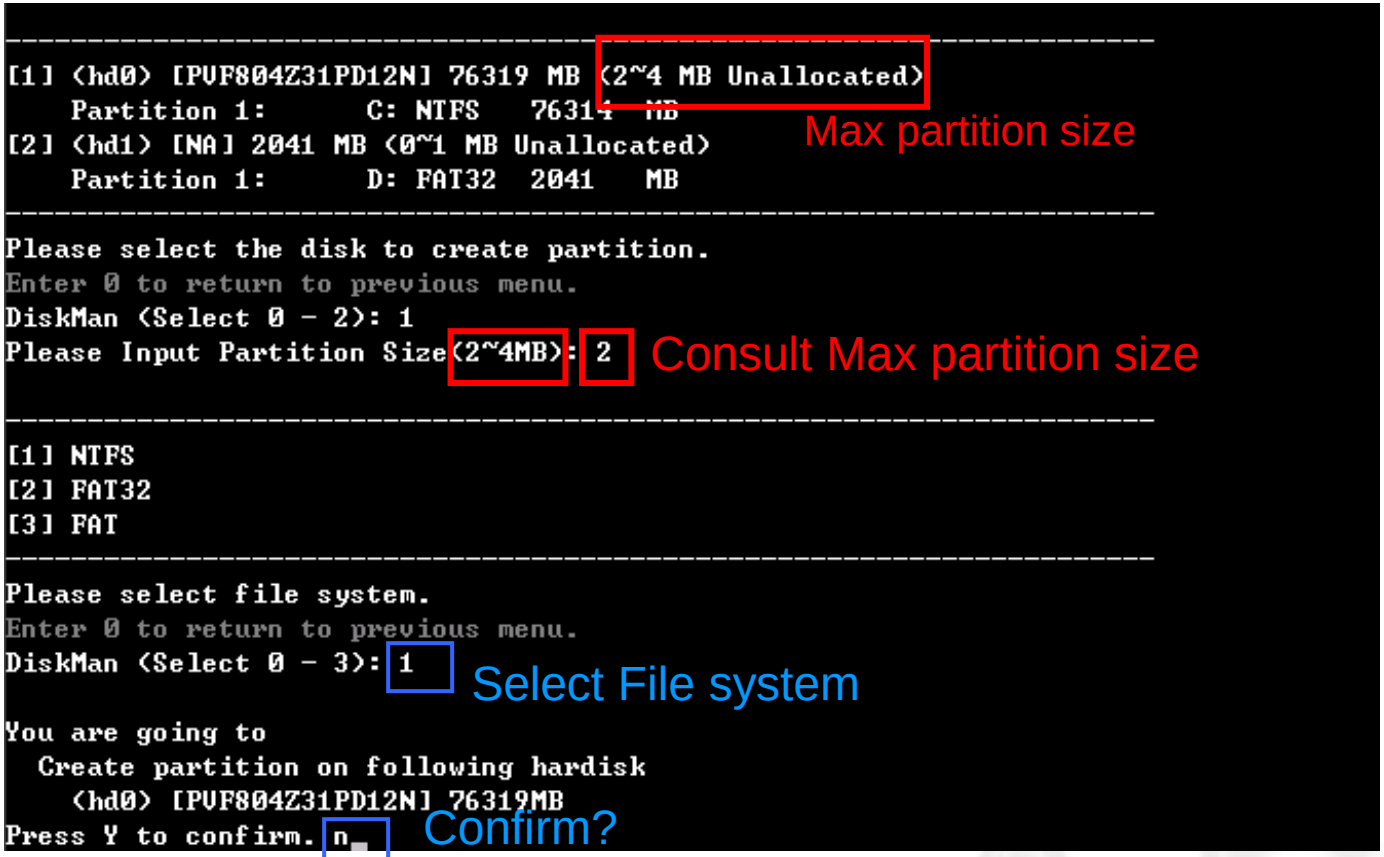
End of Restore Harddisk

Edit Partition

Create Partition

```
--------------------
| Diskman Main Menu |
--------------------

------------------------------------------------------------------------
[1] Restore Partition
[2] Restore Harddisk
[3] Quick Restore Harddisk
[4] Quick Backup Harddisk
[5] Edit Partition...
[6] Other Function...
[7] Custom Function...
------------------------------------------------------------------------
Enter 0 to return to previous menu.
DiskMan (Select 0 - 7): 5
:Select Edit Partitiion:

------------------
| Edit Partition |
------------------

------------------------------------------------------------------------
[1] Create Partition
[2] Format Partition
[3] Check Partition
[4] Delete Partition
------------------------------------------------------------------------
Enter 0 to return to previous menu.
DiskMan (Select 0 - 4):1
:Select Create Partition:
```

Create Partition



Format Partition

```
------------------
| Edit Partition |
------------------

-------------------------------------------------------------------------
[1] Create Partition
[2] Format Partition
[3] Check Partition
[4] Delete Partition
-------------------------------------------------------------------------
Enter 0 to return to previous menu.
DiskMan (Select 0 - 4):2
:Select Format Partition:
```

Format Partition

```
------------------------------------------------------------------------
    DL Disk    FS      TYPE       SIZE      SN
[1] C: (hd0,1) NTFS    FIXED      76314  MB [      PVF804Z31PD12N]
[2] D: (hd1,1) FAT32   REMOVABLE  2041   MB []
------------------------------------------------------------------------
Please select one partition to format.
Enter 0 to return to previous menu.
DiskMan (Select 0 - 2): 2
------------------------------------------------------------------------
[1] NTFS
[2] FAT32
[3] FAT
------------------------------------------------------------------------
Please select file system.
Enter 0 to return to previous menu.
DiskMan (Select 0 - 3): 2

You are going to
  FORMAT this partition into FAT32
    D: (hd1,1) FAT32 2041MB []
```

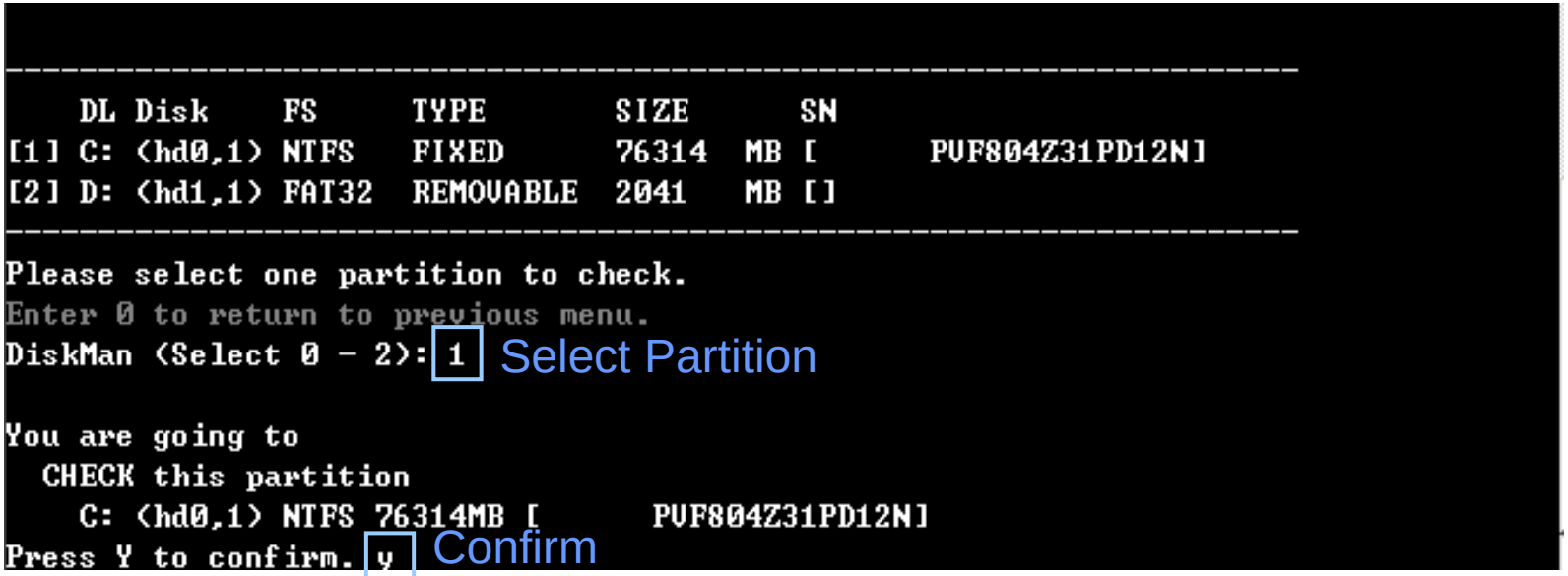
Select Partition

Select file system

Check Partition

```
------------------
| Edit Partition |
------------------

--------------------------------------------------------------------------
[1] Create Partition
[2] Format Partition
[3] Check Partition
[4] Delete Partition
--------------------------------------------------------------------------
Enter 0 to return to previous menu.
DiskMan (Select 0 - 4):3
:Select Check Partition:
```

Check Partition



Delete partition

```
------------------
| Edit Partition |
------------------

-------------------------------------------------------------------------
[1] Create Partition
[2] Format Partition
[3] Check Partition
[4] Delete Partition
-------------------------------------------------------------------------
Enter 0 to return to previous menu.
DiskMan (Select 0 - 4):4
:Select Delete Partition:
```

Delete partition

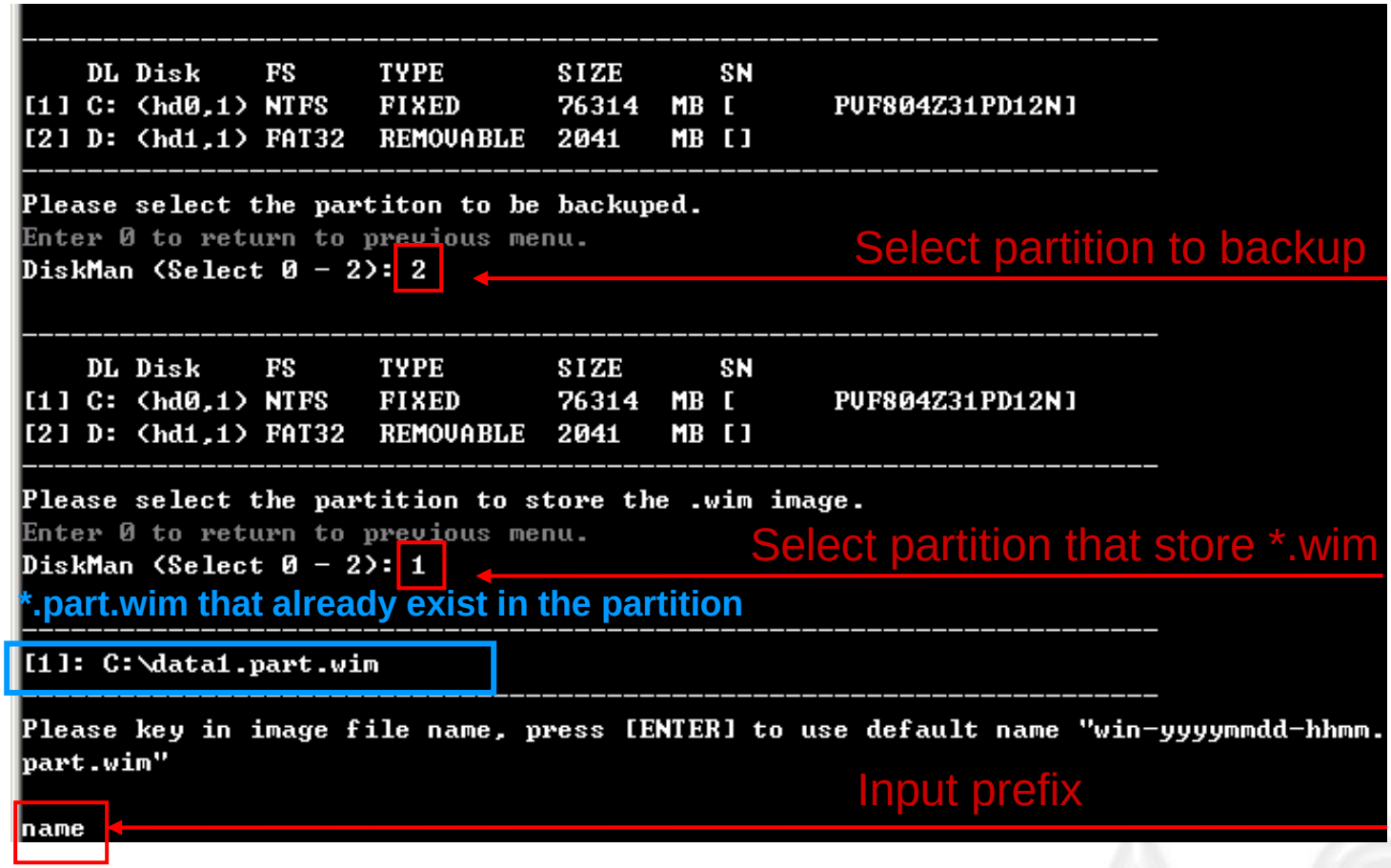
```
------------------------------------------------------------------------
    DL Disk     FS      TYPE        SIZE      SN
[1] C: (hd0,1) NTFS    FIXED       76314  MB [      PVF804Z31PD12N]
[2] D: (hd1,1) FAT32   REMOVABLE   2041   MB []
------------------------------------------------------------------------
Please select one partition to be deleted.
Enter 0 to return to previous menu.
DiskMan (Select 0 - 2):1 Select Partition

You are going to
  Delete this partition
    C: (hd0,1) NTFS 76314MB [      PVF804Z31PD12N]
Press Y to confirm. y Confirm
```

Other Function

Backup Partition

```
--------------------
| Diskman Main Menu |
--------------------
------------------------------------------------------------------------
[1] Restore Partition
[2] Restore Harddisk
[3] Quick Restore Harddisk
[4] Quick Backup Harddisk
[5] Edit Partition...
[6] Other Function...
[7] Custom Function...
------------------------------------------------------------------------
Enter 0 to return to previous menu.
DiskMan (Select 0 - 7): 6
:Select Other Function:
------------------
| Other Function |
------------------
------------------------------------------------------------------------
[1] Backup Partition
[2] Backup Harddisk
[3] Restore MBR
[4] Clean Harddisk(Delete All Partitions From A Harddisk)
[5] Make Bootable USB Thumb
[6] Install WinPE to Windows HDD for Dual Boot
[7] Update WinPE
[8] BCDBoot
------------------------------------------------------------------------
Enter 0 to return to previous menu.
DiskMan (Select 0 - 8): 1
:Select Backup Partition:
```

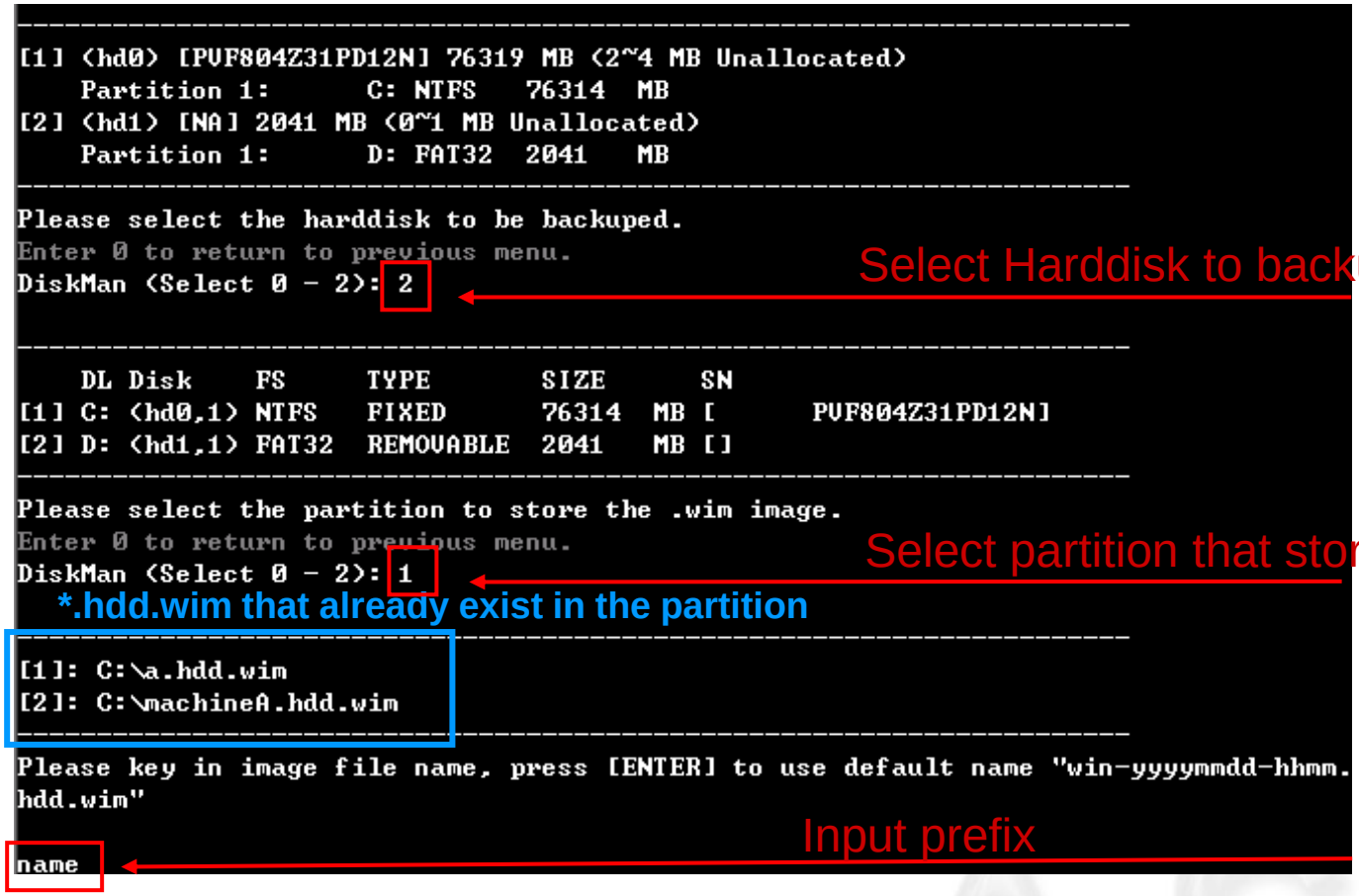
Backup Partition



Backup Harddisk

```
------------------
| Other Function |
------------------

--------------------------------------------------------------------------
[1] Backup Partition
[2] Backup Harddisk
[3] Restore MBR
[4] Clean Harddisk(Delete All Partitions From A Harddisk)
[5] Make Bootable USB Thumb
[6] Install WinPE to Windows HDD for Dual Boot
[7] Update WinPE
[8] BCDBoot
--------------------------------------------------------------------------
Enter 0 to return to previous menu.
DiskMan (Select 0 - 8): 2
:Select Backup Harddisk:
```

Backup Harddisk



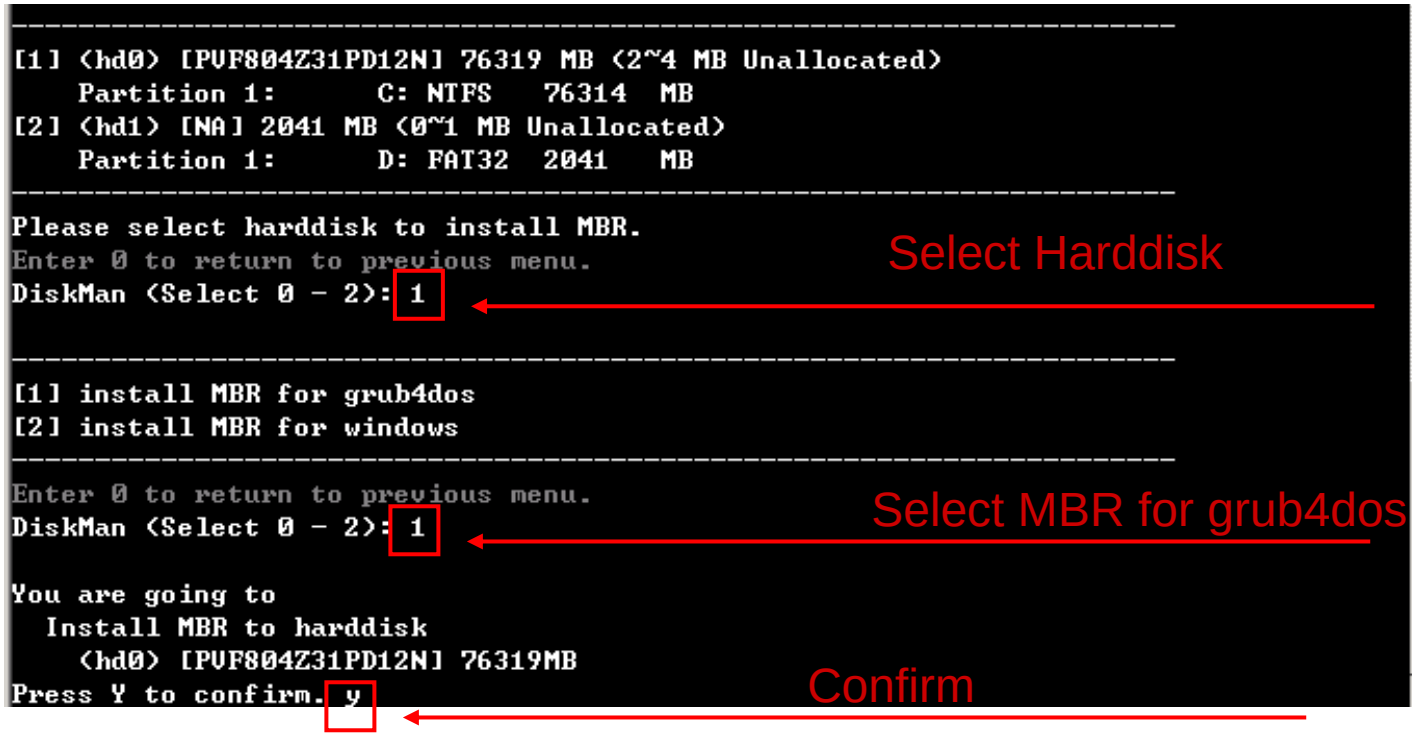
Backup Harddisk

- **On Windows XP, can backup the harddisk with OS:**
  - WindowsXP
- **On Windows 7, can backup the harddisk with OS:**
  - WindowsXP
  - Windows 7
- **On Windows PE, can backup the harddisk with OS:**
  - WindowsXP
  - Windows 7

Restore MBR

```
------------------
| Other Function |
------------------

-------------------------------------------------------------------------
[1] Backup Partition
[2] Backup Harddisk
[3] Restore MBR
[4] Clean Harddisk(Delete All Partitions From A Harddisk)
[5] Make Bootable USB Thumb
[6] Install WinPE to Windows HDD for Dual Boot
[7] Update WinPE
[8] BCDBoot
-------------------------------------------------------------------------
Enter 0 to return to previous menu.
DiskMan (Select 0 - 8): 3
:Select Restore MBR:
```

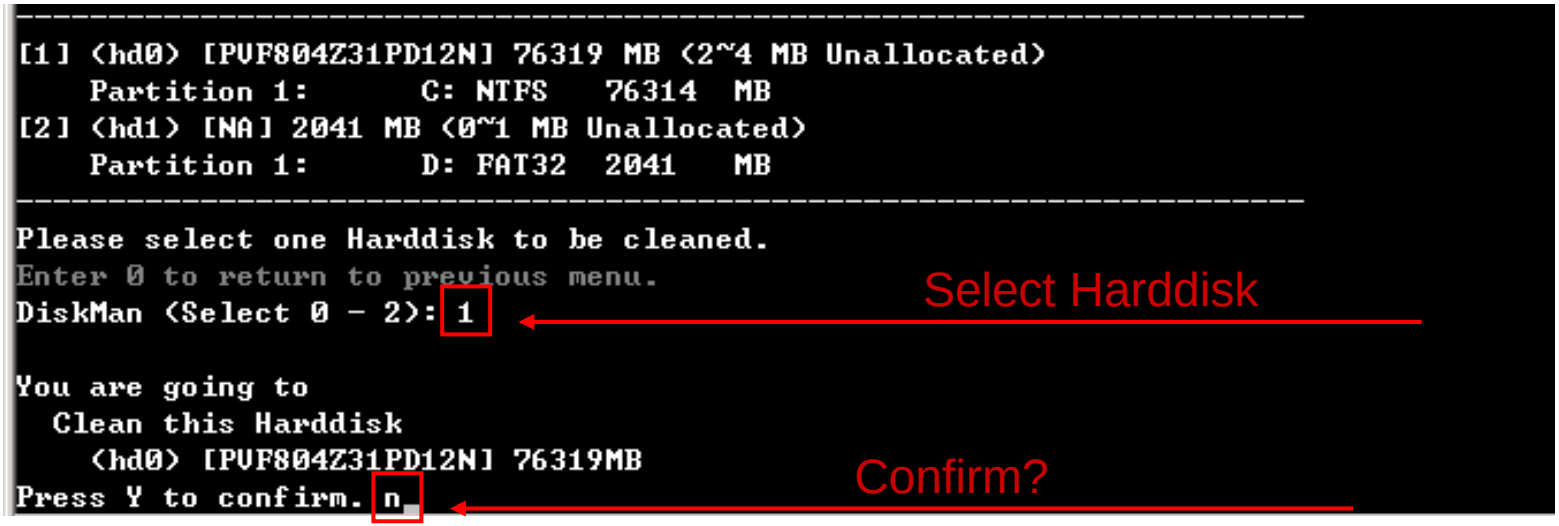
Restore MBR


[1] (hd0) [PVF804Z31PD12N] 76319 MB (2~4 MB Unallocated)
Partition 1: C: NTFS 76314 MB
[2] (hd1) [NA] 2041 MB (0~1 MB Unallocated)
Partition 1: D: FAT32 2041 MB
Please select harddisk to install MBR.
Enter 0 to return to previous menu.
DiskMan (Select 0 - 2): 1
Select Harddisk
[1] install MBR for grub4dos
[2] install MBR for windows
Enter 0 to return to previous menu.
DiskMan (Select 0 - 2): 1
Select MBR for grub4dos
You are going to
Install MBR to harddisk
(hd0) [PVF804Z31PD12N] 76319MB
Press Y to confirm. y
Confirm

Clean Harddisk

```
------------------
| Other Function |
------------------

-------------------------------------------------------------------------
[1] Backup Partition
[2] Backup Harddisk
[3] Restore MBR
[4] Clean Harddisk(Delete All Partitions From A Harddisk)
[5] Make Bootable USB Thumb
[6] Install WinPE to Windows HDD for Dual Boot
[7] Update WinPE
[8] BCDBoot
-------------------------------------------------------------------------
Enter 0 to return to previous menu.
DiskMan (Select 0 - 8): 4
:Select Clean Harddisk:
```

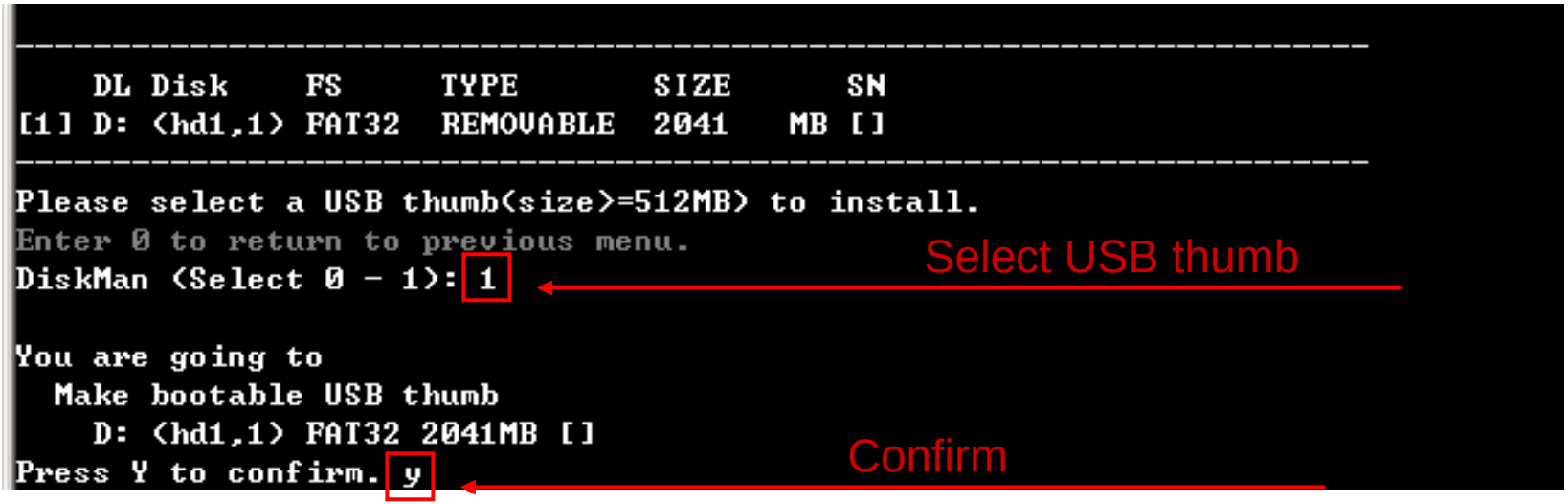
Clean Harddisk



Make Bootable USB Thumb

```
------------------
| Other Function |
------------------

--------------------------------------------------------------------------
[1] Backup Partition
[2] Backup Harddisk
[3] Restore MBR
[4] Clean Harddisk(Delete All Partitions From A Harddisk)
[5] Make Bootable USB Thumb
[6] Install WinPE to Windows HDD for Dual Boot
[7] Update WinPE
[8] BCDBoot
--------------------------------------------------------------------------
Enter 0 to return to previous menu.
DiskMan (Select 0 - 8): 5
:Select Make Bootable USB Thumb:
```

Make Bootable USB Thumb

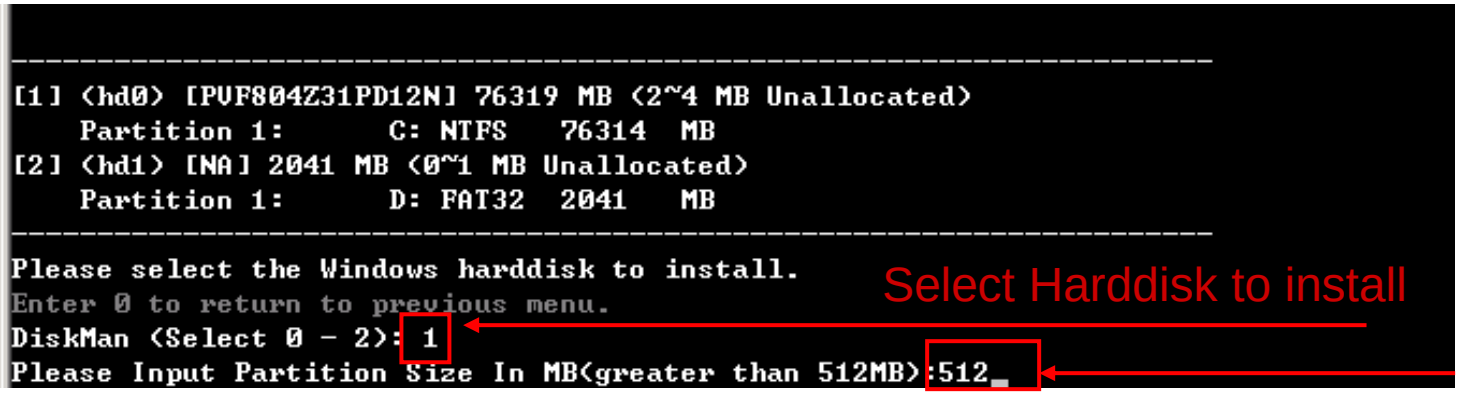


Install WinPE to Windows HDD for Dual Boot

```
------------------
| Other Function |
------------------

-------------------------------------------------------------------------
[1] Backup Partition
[2] Backup Harddisk
[3] Restore MBR
[4] Clean Harddisk(Delete All Partitions From A Harddisk)
[5] Make Bootable USB Thumb
[6] Install WinPE to Windows HDD for Dual Boot
[7] Update WinPE
[8] BCDBoot
-------------------------------------------------------------------------
Enter 0 to return to previous menu.
DiskMan (Select 0 - 8): 7
```

:Select Install WinPE to Windows HDD for Dual Boot:

Install WinPE to Windows HDD for Dual Boot



BCDboot


```
------------------
| Other Function |
------------------

-------------------------------------------------------------------------
[1] Backup Partition
[2] Backup Harddisk
[3] Restore MBR
[4] Clean Harddisk(Delete All Partitions From A Harddisk)
[5] Make Bootable USB Thumb
[6] Install WinPE to Windows HDD for Dual Boot
[7] Update WinPE
[8] BCDBoot
-------------------------------------------------------------------------
Enter 0 to return to previous menu.
DiskMan (Select 0 - 8): 8
:Select BCDboot:
```

BCDboot

```
---------------------
| BCDboot -- Step 1 |
---------------------

-------------------------------------------------------------------------
    DL Disk    FS     TYPE       SIZE       VolName  SN
[1] C: (hd0,1) NTFS   FIXED      220000 MB NIL      [101019PBN238DSD378BM]
[2] D: (hd0,2) NTFS   FIXED      10000  MB New_Volu [101019PBN238DSD378BM]
-------------------------------------------------------------------------
Please select the partition to do bcdboot:
Enter 0 to return to previous menu.
DiskMan (Select 0 - 2): 1
:Select drive C:

.
.
Delete boot: del /Q /F /AH C:\boot
.
.
Delete bootmgr: del /Q /F /AH C:\bootmgr
.
.
Config boot: bcdboot C:\Windows /s C:
bcdboot Done!
```

Custom Function

Change Config File

- Select [7],[1]
- Select config file *1

*1 Only *.xml under [Drive]\Diskman\Config\ will be listed for selection

```
------------------------------------------------------------------------
------------------
| Custom Function |
------------------
[1] Change Config File
[2] Conf Restore
[3] Create WireBond HDD layout
[4] EagleXtreme Backup
[5] Machine_A restore with data backup
[6] Machine_B Version Conntrol
------------------------------------------------------------------------
Enter 0 to return to previous menu.
DiskMan (Select 0 - 6): 1

------------------------------------------------------------------------
[1]: D:\Diskman\config\config.xml
[2]: D:\Diskman\config\config2.xml
------------------------------------------------------------------------
Please select a config file.
Enter 0 to return to previous menu.
DiskMan (Select 0 - 2): 1
conf file: D:\Diskman\config\config.xml

------------------------------------------------------------------------
------------------
| Custom Function |
------------------
[1] Change Config File
[2] Conf Restore
[3] Create WireBond HDD layout
[4] EagleXtreme Backup
[5] Machine_A restore with data backup
[6] Machine_B Version Conntrol
------------------------------------------------------------------------
Enter 0 to return to previous menu.
DiskMan (Select 0 - 6):
```

Format of config.xml for custom backup

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```
<?xml version="1.0" encoding="UTF-8"?>
<?proc-inst-1 'foo' ?>
<config xmlns:xsi="http://www.w3.org/2001/XMLSchema-
  <menuItem title="Conf Restore" fun="Restore">
  </menuItem>
  <menuItem title="EagleXtreme Backup" fun="Backup">
    <comment>this is a commment</comment>
    <path>
            <item value="path_A"></item>
            <item value="path_B"></item>
    </path>
  </menuItem>
  <menuItem title="Machine_A restore with data backup" fun="Part_Restore_With_Data_Backup">
      <path>
            <item value="prog\data_A"></item>
            <item value="data_B"></item>
            <item value="data_C"></item>
    </path>
  </menuItem>
  <menuItem title="Machine_B Version Conntrol" fun="Version_Control">
      <default file="bp.txt"></default>
      <path>
            <item value="BP\sys_A.zip"></item>
            <item value="BP\data_B.zip"></item>
      </path>
  </menuItem>
</config>
```

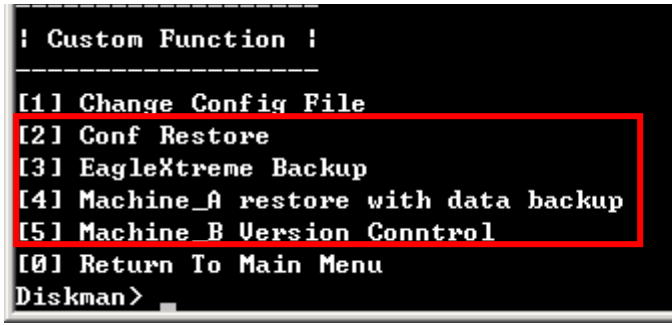
```
[2] D: (hd1,1) FAT32   REMOVABLE   2041    MB []

Please select the partition to be backuped
Diskman> 0
--------------------
| Custom Function |
--------------------
[1] Change Config File
[2] Conf Restore
[3] EagleXtreme Backup
[4] Machine_A restore with data backup
[5] Machine_B Version Conntrol
[0] Return To Main Menu
Diskman>
```

Format of config.xml for custom backup

- **Each <menuItem> represents a function in Custom Function**
- **<menuItem> has two attributes**
  - Title
  - Fun

  Only Title will be displayed in diskman



- **<item> under <path> are the target paths**
  - The path is stored in attribute "value" of <item>
  - For example

```
<path>
        <item value="path_A"></item>
        <item value="path_B"></item>
</path>
```

Fun in config file

- **There are 4 supported functions,**
  - Backup
  - Restore
  - Part_Restore_With_Data_Backup
  - Version_Control

Fun in config file (Backup)

- **Description:**
  To backup specified paths
- **Example:**

```
<menuItem title="EagleXtreme Backup" fun="Backup">
<comment>this is a commment</comment>
<path>
        <item value="path_A"></item>
        <item value="path_B"></item>
</path>
</menuItem>
```

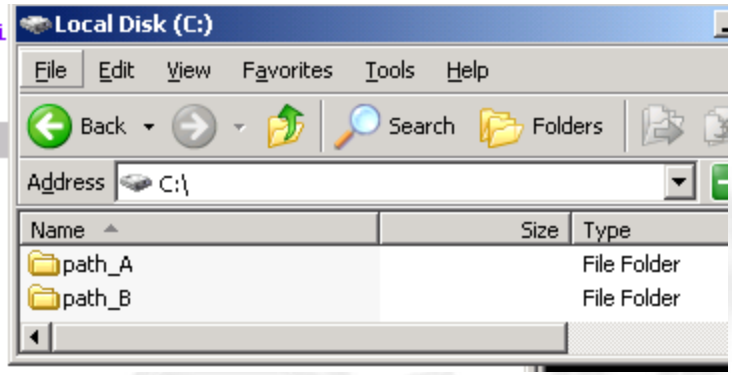
- **Note:**
  The paths must exist, if one of the paths doesn't exist Diskman will not carry on the backup

Fun in config file (Backup)

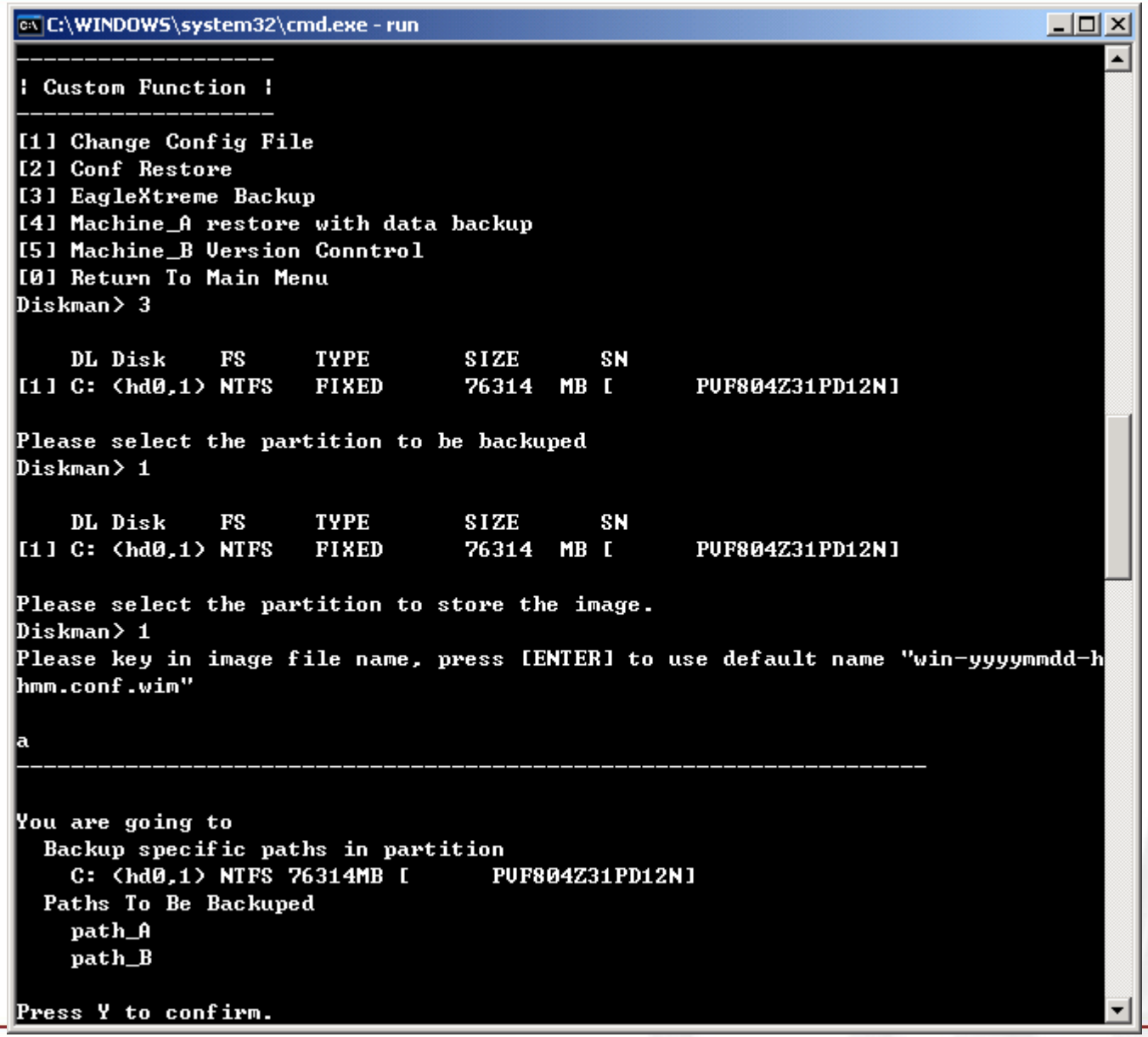
- Select [8]
- Select an item whose function is “Backup”
- Select the partition to be backuped *1
- Select the partition to store the image (*.conf.wim)
- Enter a name for the image
- Enter ‘y’ or ‘Y’ to confirm

*1 Make sure the partition contains the paths, i.e.

```
onfig xmlns:xsi="http://www.w3.org/2001/XMLSchema-i
<menuItem title="Conf Restore" fun="Restore">
</menuItem>
<menuItem title="EagleXtreme Backup" fun="Backup">
  <comment>this is a comment</comment>
  <path>
      <item value="path_A"></item>
      <item value="path_B"></item>
  </path>
</menuItem>
```



Fun in config file (Backup)



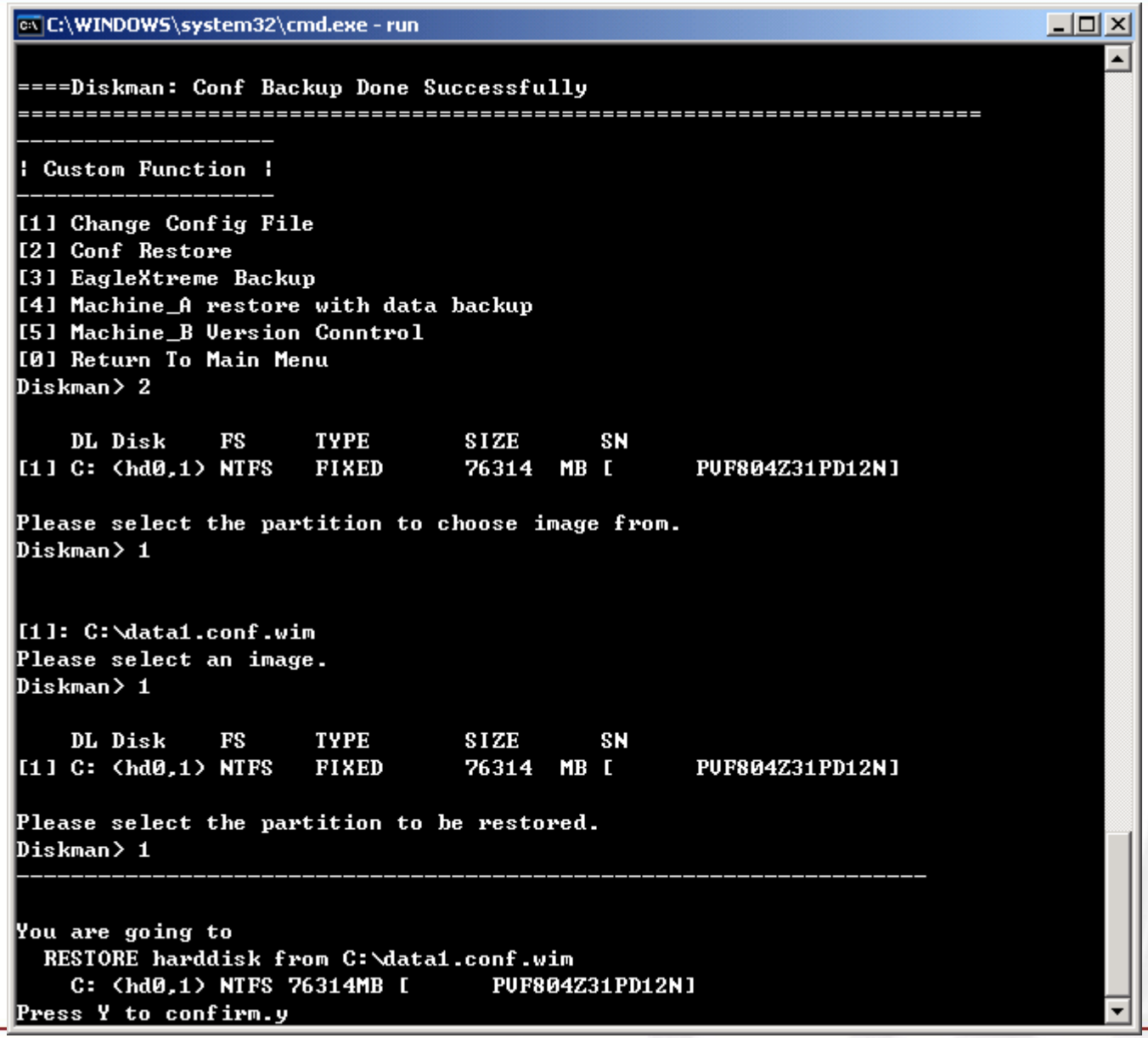
Fun in config file (Restore)

- Description:
  To restore a partition from *.conf.wim backuped from “Backup” function
- Example:
  <menuItem title="Conf Restore" fun="Restore">
  </menuItem>

Fun in config file (Restore)

- Select [8]
- Select an item whose function is “Restore”
- Select the partition choose image from
- Select the a image (*.conf.wim)
- Select the partition to be restored
- Enter ‘y’ or ‘Y’ to confirm

Fun in config file (Restore)



Fun in config file (Part_Restore_With_Data_Backup)

- Description:
  To backup specified paths, restore a partition, then restore backuped paths
- Example:

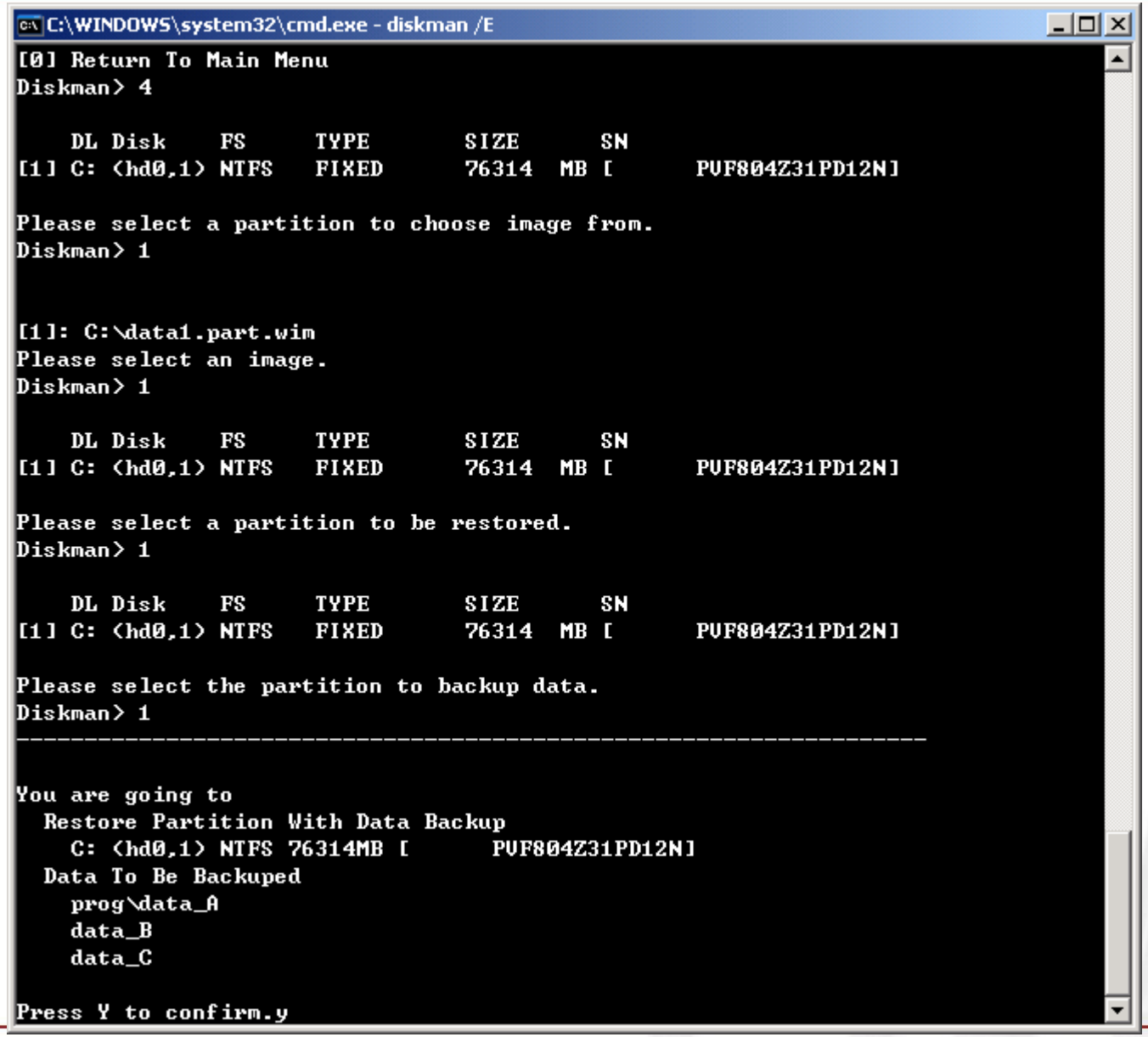
```
<menuItem title="Machine_A restore with data backup" fun="Part_Restore_With_Data_Backup">
<path>
    <item value="prog\data_A"></item>
    <item value="data_B"></item>
    <item value="data_C"></item>
 </path>
 </menuItem>
```

Fun in config file (Part_Restore_With_Data_Backup)

- Select [8]
- Select an item whose function is "Part_Restore_With_Data_Backup"
- Select the partition to choose image from (*.part.wim)
- Select an image
- Select the partition to be restored *1
- Select the partition to store the backup image
- Enter 'y' or 'Y' to confirm

*1 Make sure the partition contains the specified paths

Fun in config file (Part_Restore_With_Data_Backup)



Fun in config file (Version_Control)

- Description:
  To extract specified *.zip files to a partition
- Example:

```
<menuItem title="Machine_B Version Conntrol"
fun="Version_Control">
<default file="bp.txt"></default>
<path>
    <item value="BP\sys_A.zip"></item>
    <item value="BP\data_B.zip"></item>
</path>
</menuItem>
```

Fun in config file (Version_Control)

- Select [8]
- Select an item whose function is “Version_Control”
- Select the partition, p1, to perform the function
- Select the partition to get specified *.zip from
- If version control config file exists in p1
  - *.zip stored in the file will be extracted
- Else *1
  - default *.zip will be extracted
- Enter ‘y’ or ‘Y’ to confirm

*1 Warning will be displayed in this case

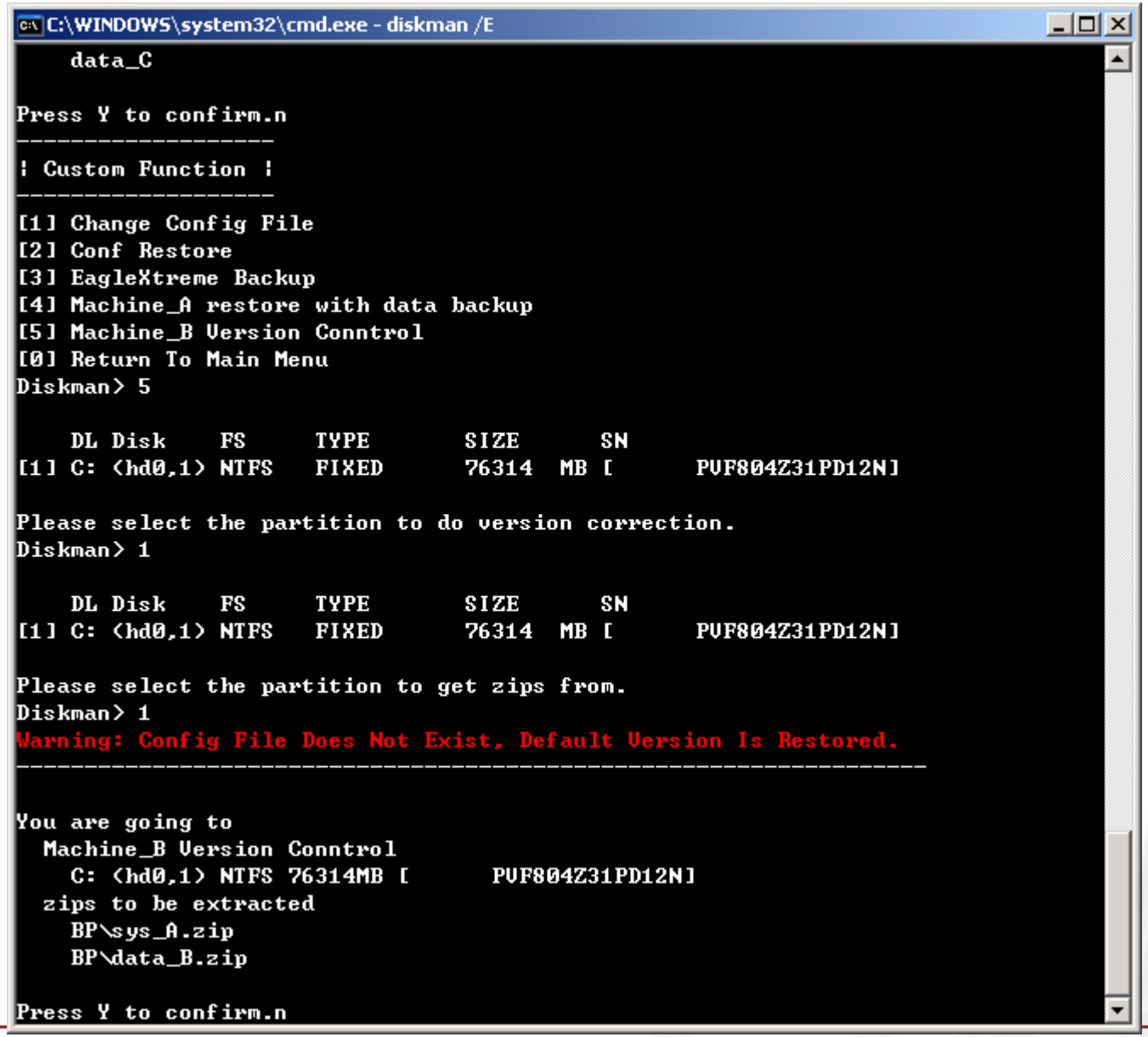
Fun in config file (Version_Control)

- **Version control config file**
  - File Name: version.conf
  - Content and format:

```
File1.zip
File2.zip
File3.zip
```

  - Location: [Drive]:\, e.g. C:\, D:\

Fun in config file (Version_Control)

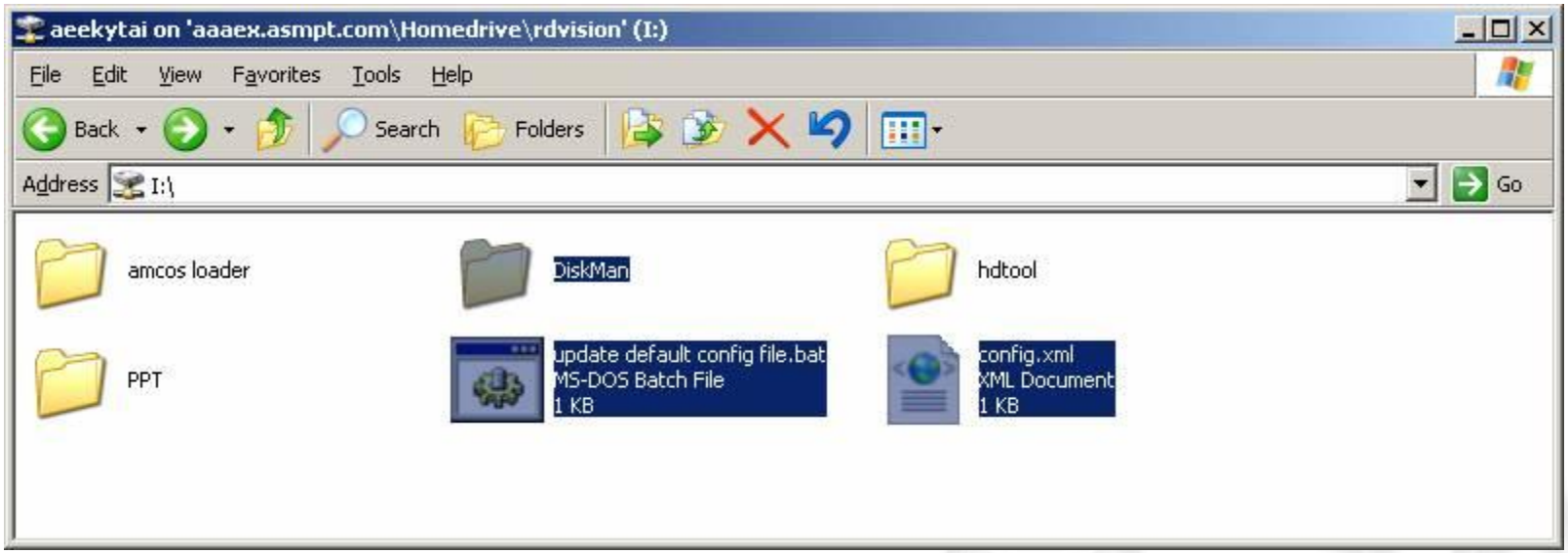


Procedure to change default config file

- **Prerequisite**
  - OS is Windows XP/Windows Embedded 7
  - Have wimfltr.inf installed **OR** have Windows AIK installed
  - Have wimmount.inf installed
- **Install wimfltr.inf and wimmount.inf tutorial***
  - Download wimfltr.inf, wimfltr.sys, wimmount.inf and wimmount.sys from SWR DiskMan
  - Right click on wimfltr.inf, wimmount.inf
  - Install
- ***Once installed no need to install after restart**

Procedure to change default config file

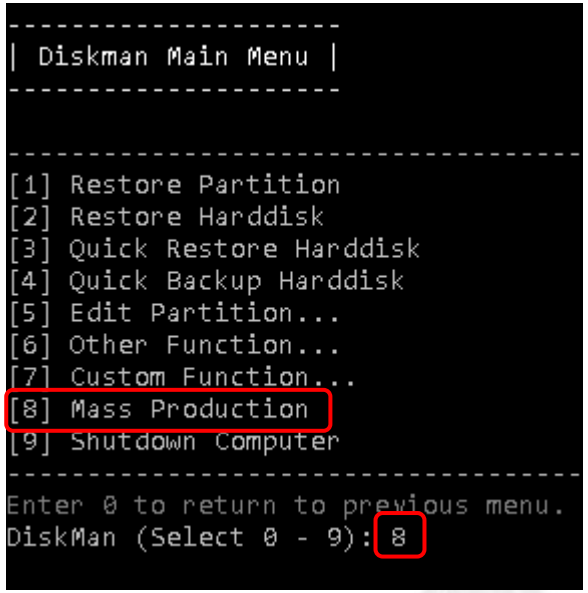
- **Setup the following environment**
  - Download DiskMan and "update default config file.bat"
  - Make your own config file, name it as config.xml
  - Put these file/folder under the same depth
- **To update/change,**
  - Double click "update default config file.bat"



Mass Production

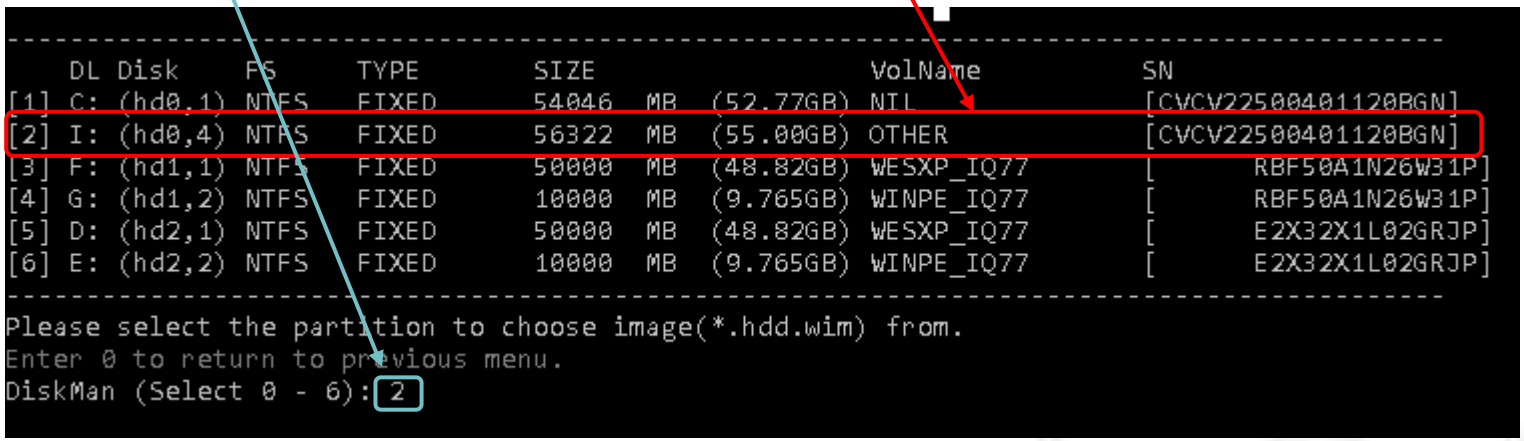
Select the Mass Production function

- Enter "8" and Press Enter to select Mass Production.



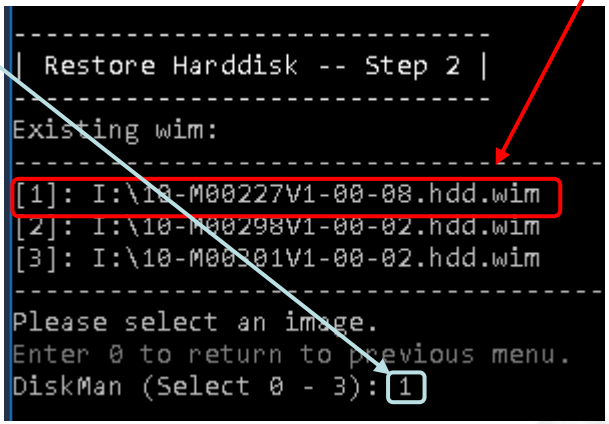
Select the partition to choose image

- Choose image from partition I:\
- Enter "2" and Press Enter to select partition 4.



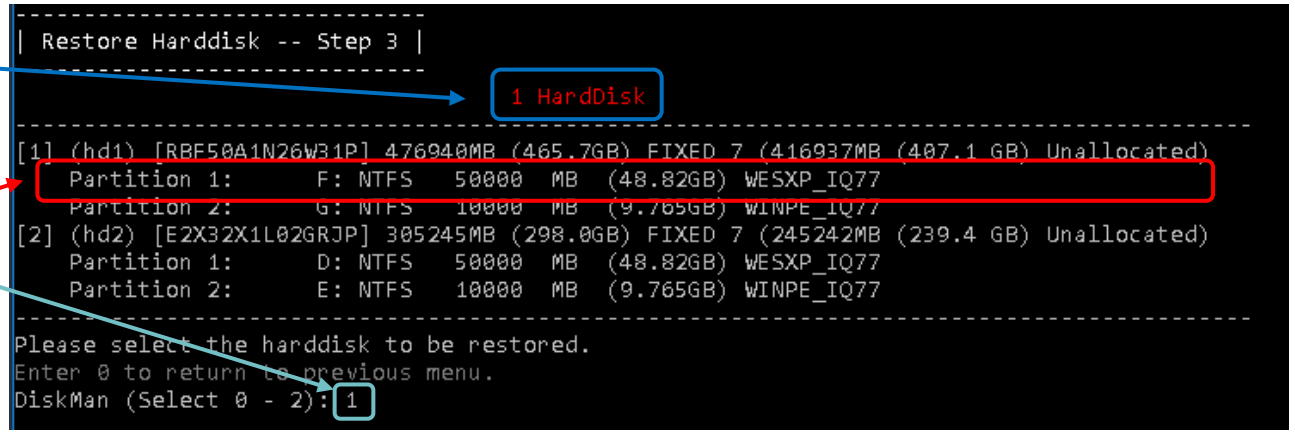
Select image

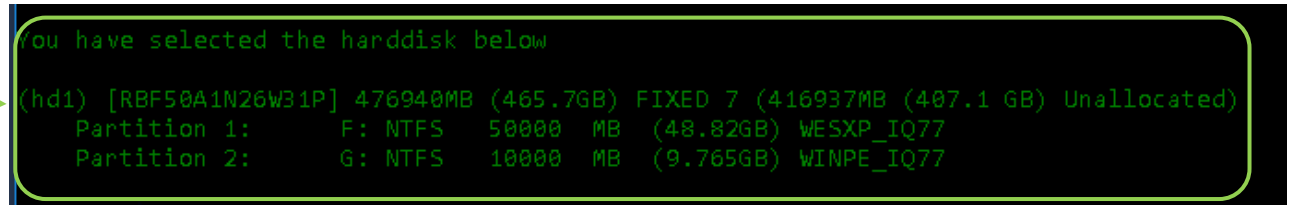
- In this case, we used 10-M00227V1-00-08.hdd.wim
- Enter “1” and Press Enter to select image 1.

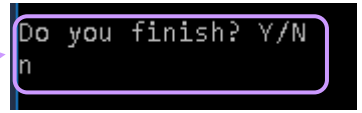


Select the harddisk to be restored

- Reminder selecting the first harddisk.
- Enter “1” and Press Enter to select harddisk 1.
- After that, the selected harddisk shows here.
- Enter “n” to select the next harddisk.

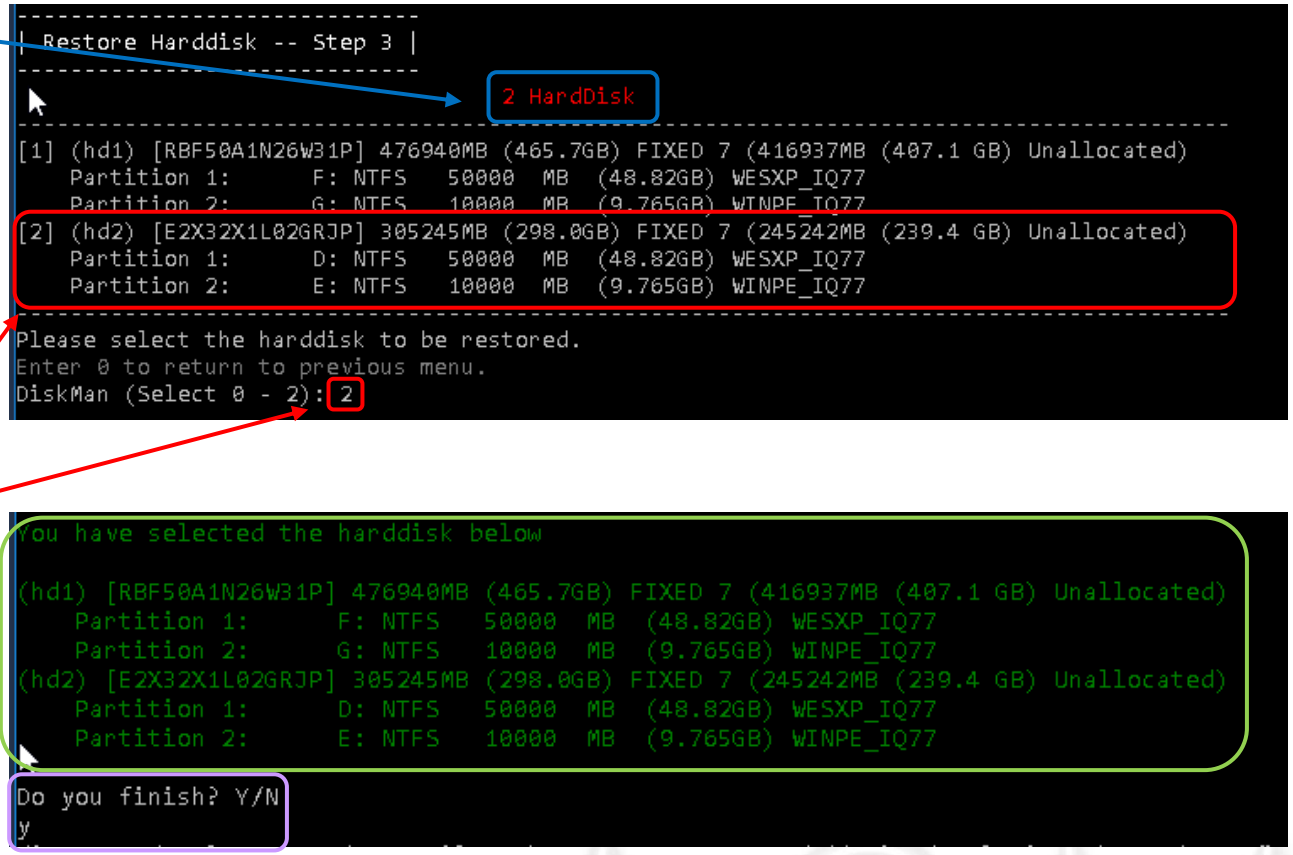






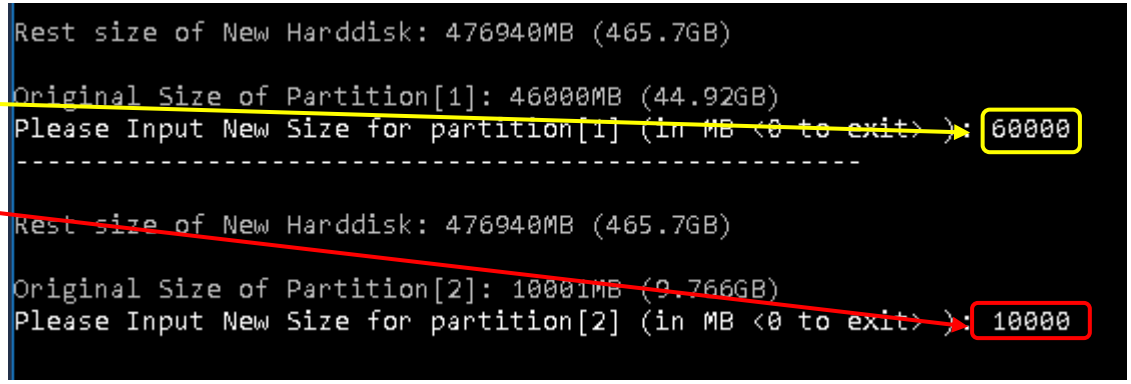
Select the harddisk to be restored

- Reminder selecting the second harddisk.
- Enter “2” and Press Enter to select harddisk 2.
- The selected harddisk shows here.
- Enter “y” to finish selection.



Reset size of the new harddisk

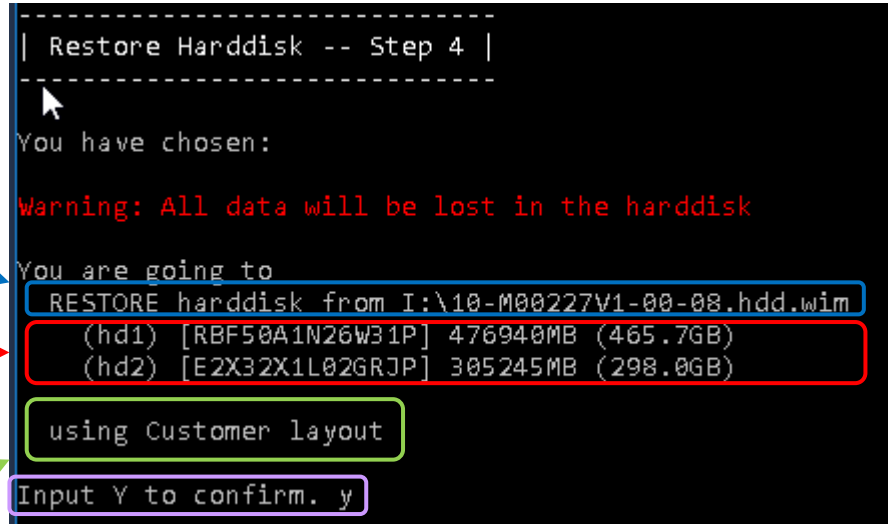
- Input new size of partition 1 (60000MB) and 2 (10000MB).



Confirmation

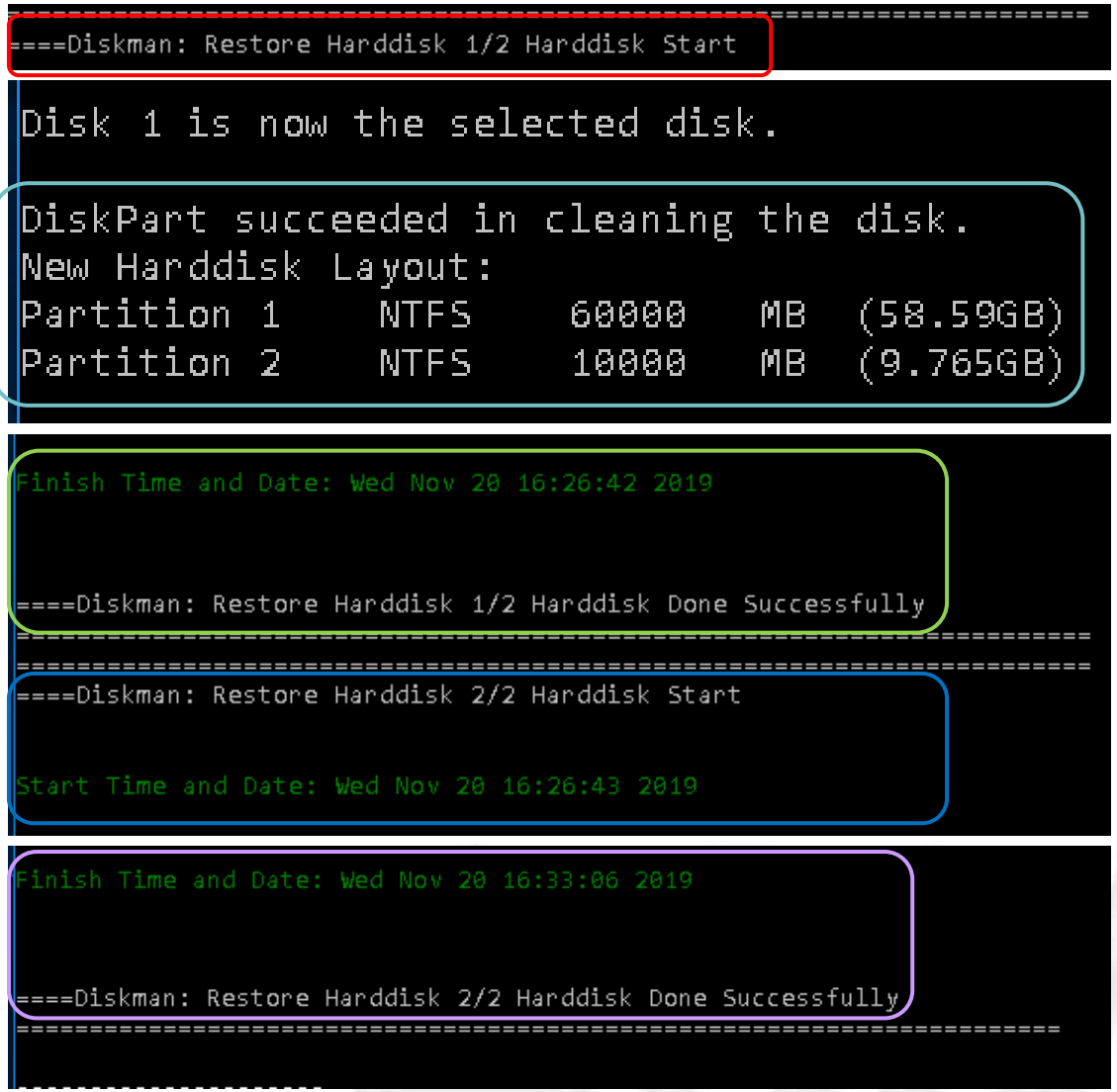
- Last confirmation for

- - The selected Image from harddisk I.
- - There are two harddsik are going to be restored (hd1, hd2).
- - Using customer layout. 60000MB for partition1 and 10000MB for partition 2.
- Input “y” to confirm.



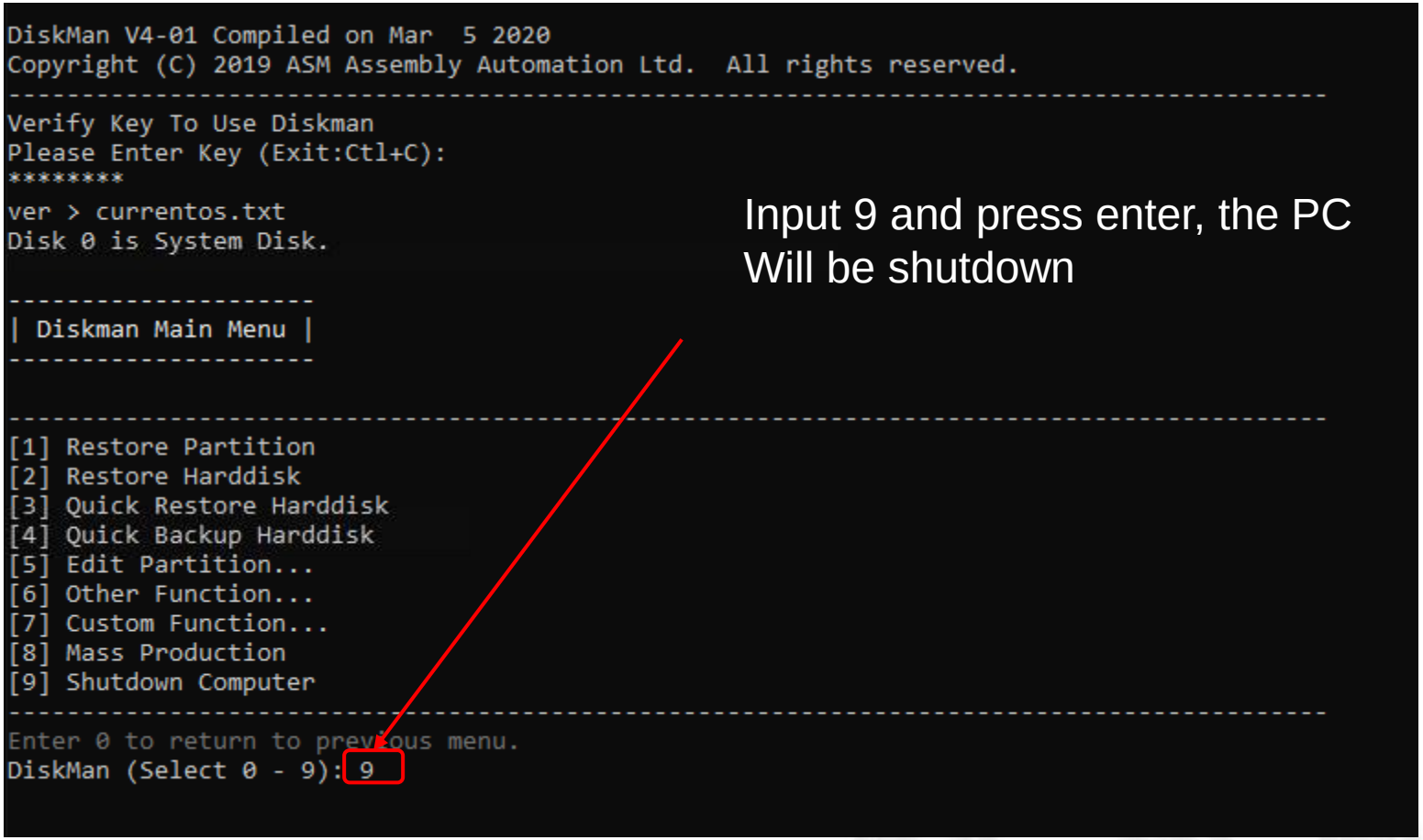
Processing

- Disk 1 started to restore.
- Disk 1 successfully formatted and assigned the new layout.
- Disk 1 was restored and disk 2 started.
- Disk 2 formatted and assigned the same layout
- Disk 2 was restored.
- Restorations finished.



Shutdown Computer

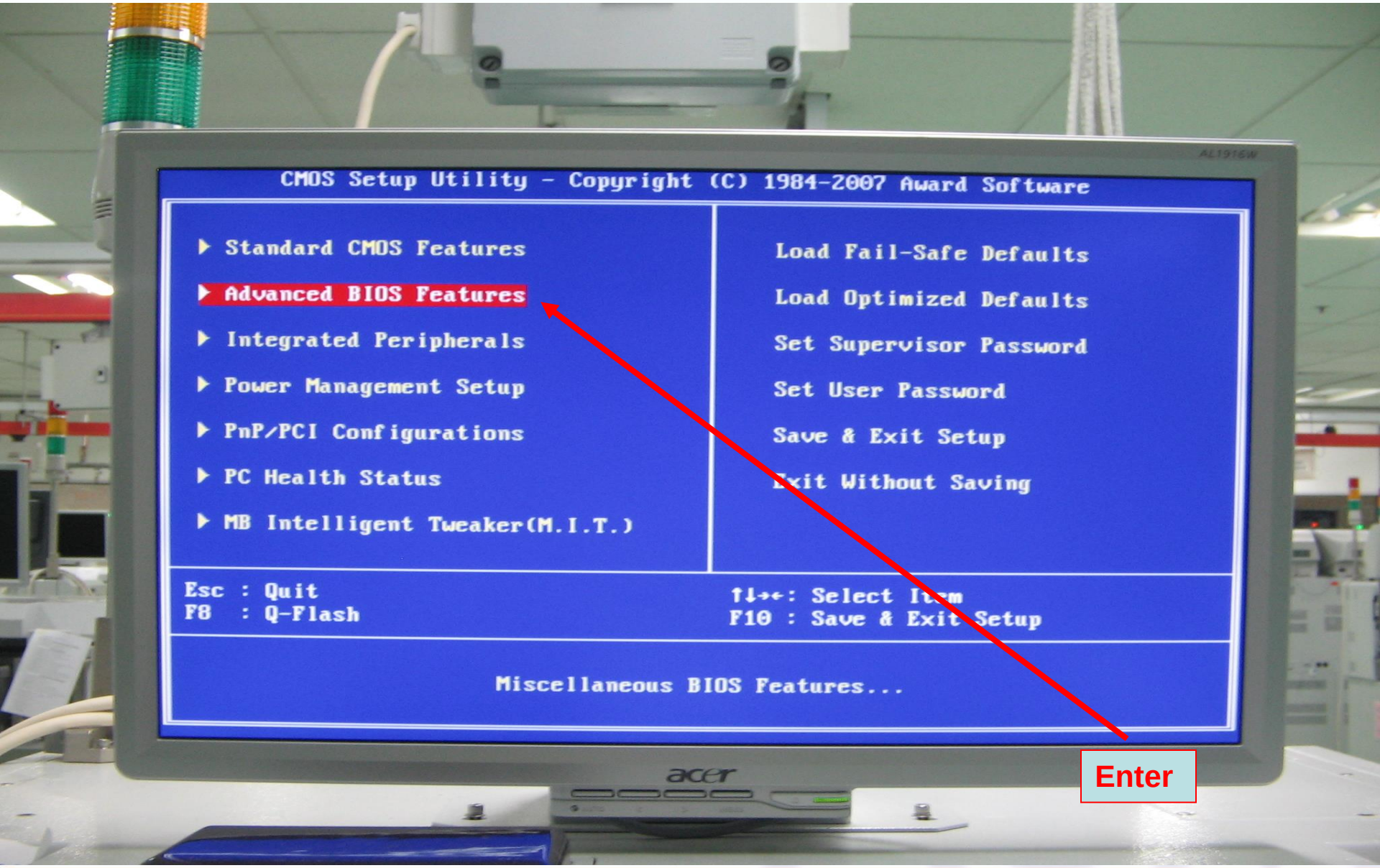
Shutdown Computer



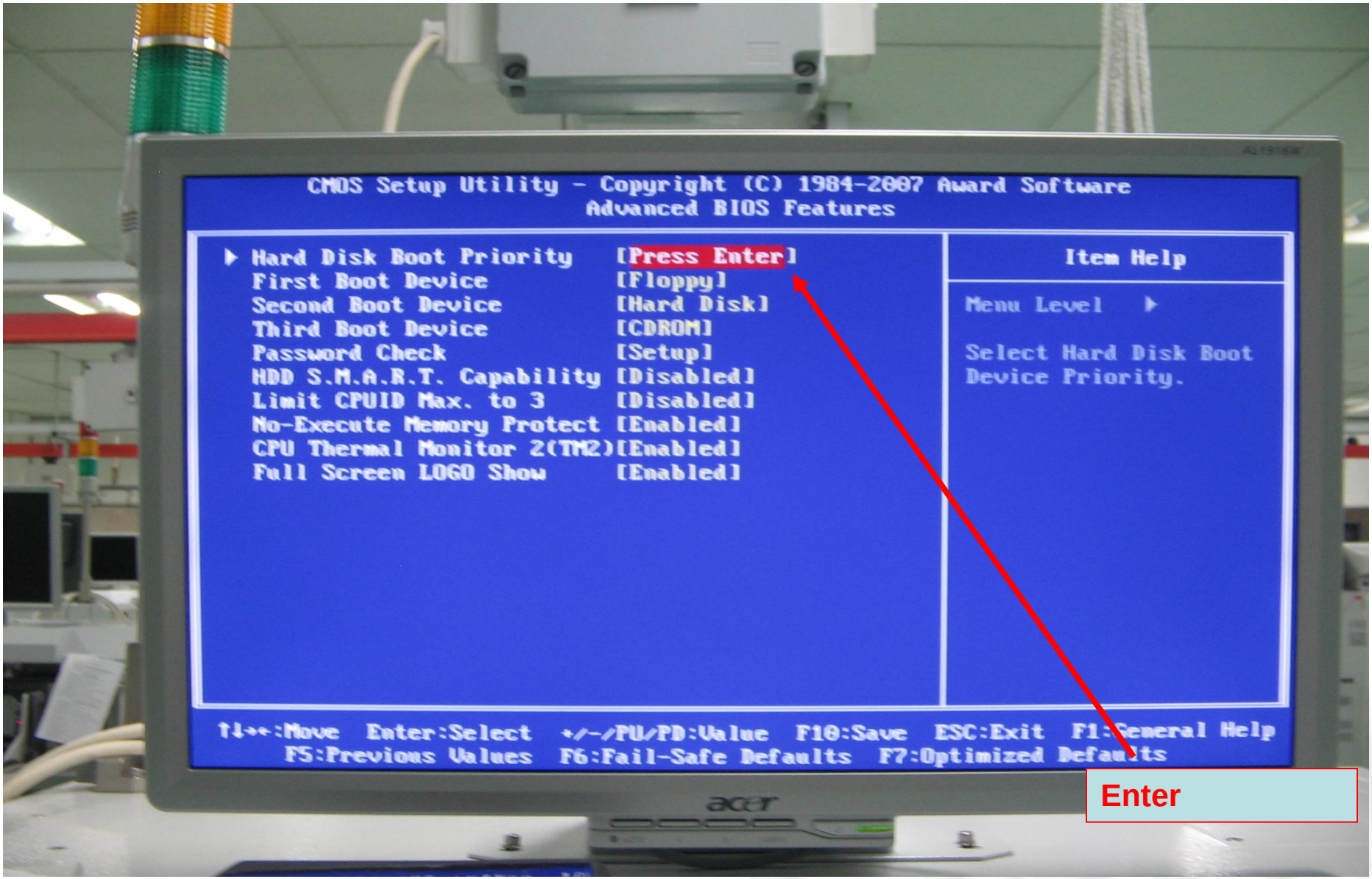
Input 9 and press enter, the PC Will be shutdown

Boot From USB: Power on machine. Press DEL to enter into BIOS setting panel

Boot From USB: Goto Hard disk Boot Priority submenu. Set your USB to boot first

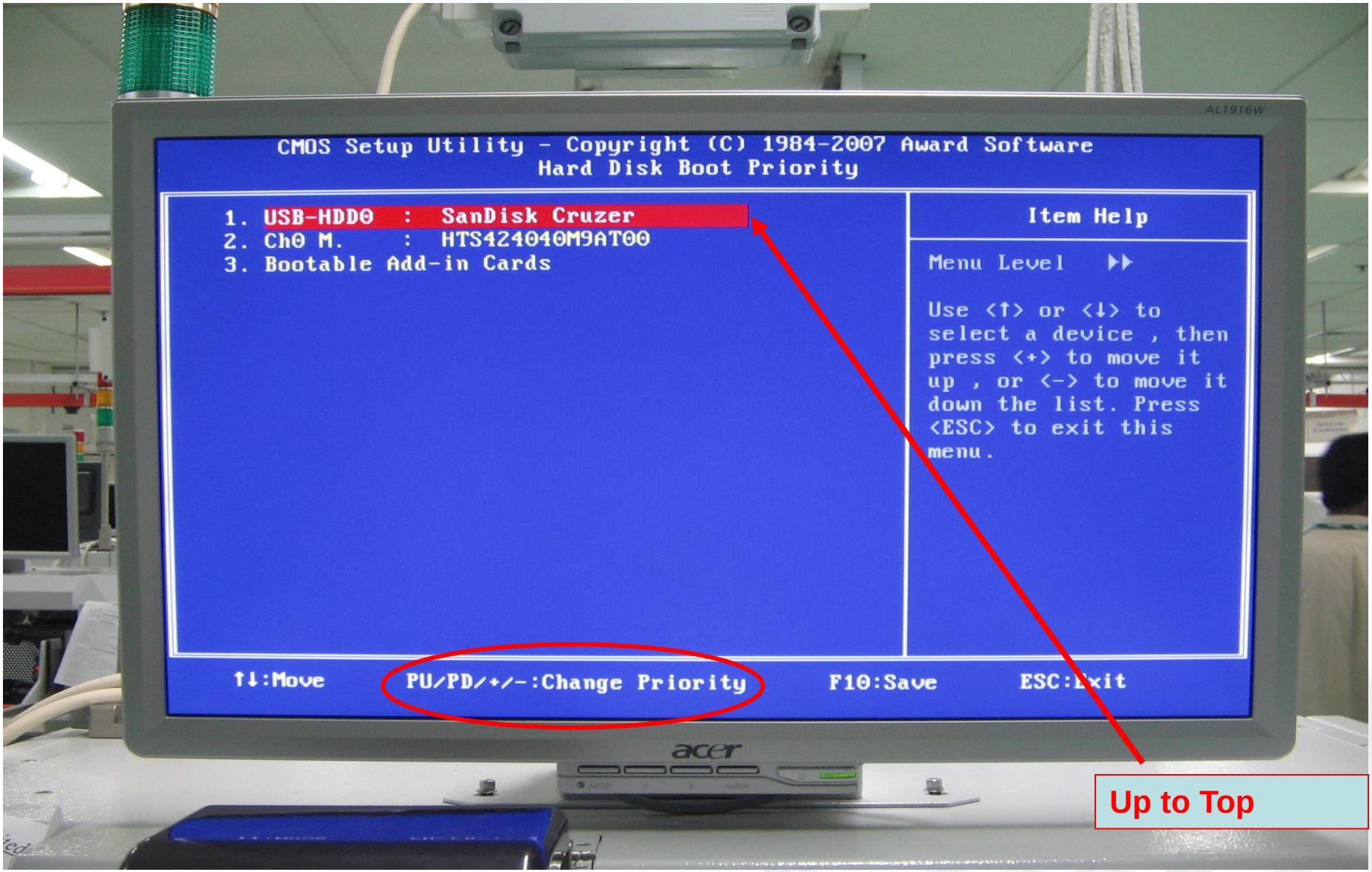


Boot From USB: Goto Hard disk Boot Priority submenu. Set your USB to boot first



Boot From USB: Goto Hard disk Boot Priority submenu. Set your USB to boot first

Boot From USB: Goto Hard disk Boot Priority submenu. Set your USB to boot first



Boot From USB: Goto Hard disk Boot Priority submenu. Set your USB to boot first

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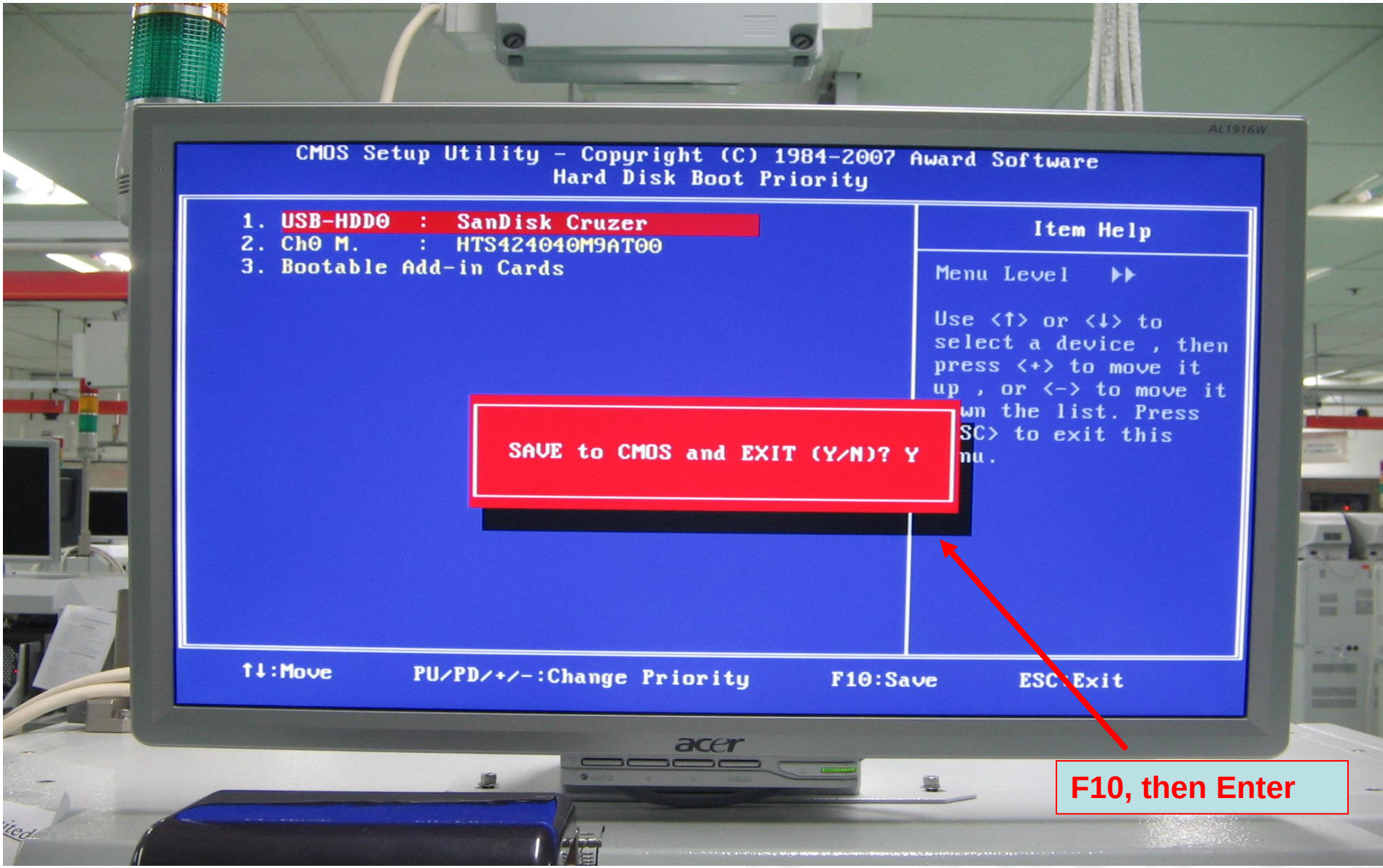

End