

## Supporting MSL2024 and MSL4048 Tape Libraries

Number: HP2-K09  
Passing Score: 730  
Time Limit: 75 min  
File Version: 2012-06-12



This is a modified version of Ronie's dump.

First 65 questions are from him.  
I've left his answers as they were, because they were correct.  
The only thing I did was removing the duplicated questions at the end.

I've also added 23 questions from ActualTests.com, which I've verified and/or corrected by myself... most of them at least. :-/

Exam details:

- Non-proctored
- Number of items: 65
- Passing Criteria: 73% (48 to pass)
- Time Allocated: 1 hour and 15 minutes

Good luck.

Skynet.

**Exam A****QUESTION 1**

Which SCSI signaling is supported with the MSL2024 and MSL4048 Tape Libraries? (Select two.)

- A. SE (single ended)
- B. SAS (serial attached SCSI)
- C. LVI (low voltage incremental)
- D. LVD (low voltage differential)
- E. HVD (high voltage differential)

**Correct Answer:** BD

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**31000 - HP StorageWorks MSL2024/MSL4048/MSL8096 Tape Library Service and Support:**

**Library overview > Features and benefits**

**Library overview > Capacity and performance**

**QUESTION 2**

What is the maximum cable length on an LVD SCSI bus?

- A. 9.84 ft (3 m)
- B. 19.68 ft (6 m)
- C. 39.37 ft (12 m)
- D. 82.02 ft (25 m)

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**1822 - HP Storage Technologies: Technical (all pages): SCSI > Introduction to SCSI > SCSI standard characteristics**

**QUESTION 3**

What is the maximum native storage capacity of the MSL4048 Tape Library with an Ultrium 960 drive and all media slots loaded?

- A. 9.6 TB
- B. 19.2 TB

- C. 24.0 TB
- D. 36 TB

**Correct Answer:** B  
**Section:** (none)  
**Explanation**

**Explanation/Reference:**  
**31000 - HP StorageWorks MSL2024/MSL4048/MSL8096 Tape Library Service and Support: Library overview > Capacity and performance**

#### **QUESTION 4**

Which features are used by the LTO Ultrium tape family? (Select three.)

- A. cartridge memory
- B. global storage link
- C. adaptive tape speed
- D. adaptive compression
- E. adaptive cleaning heads
- F. media recognition system

**Correct Answer:** ACD  
**Section:** (none)  
**Explanation**

**Explanation/Reference:**  
**700 - HP Standalone Tape Technologies Service and Maintenance WBT: LTO – 1st generation > Ultrium features**

#### **QUESTION 5**

Which tape drive format uses helical scan technology?

- A. AIT
- B. SDLT
- C. LTO-3
- D. Travan

**Correct Answer:** A  
**Section:** (none)  
**Explanation**

**Explanation/Reference:**

1822 - HP Storage Technologies: Technical (all pages): Tape backup technologies > Media components > Scan technologies

#### QUESTION 6

What is the recommended maximum number of Ultrium 448 drives per SCSI bus when connected to an ULTRA320 HBA?

- A. 1
- B. 2
- C. 3
- D. 4

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**31000 - HP StorageWorks MSL2024/MSL4048/MSL8096 Tape Library Service and Support: Installation > SCSI requirements**

#### QUESTION 7

What is the maximum number of drives the MSL4048 can support? (Select two.)

- A. 2 Ultrium 960 tape drives
- B. 4 Ultrium 960 tape drives
- C. 4 Ultrium 448 tape drives
- D. 2 Ultrium 448 tape drives
- E. 2 Ultrium 448 tape drives and 1 Ultrium 960 tape drive in mixed configuration

**Correct Answer:** AC

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**31000 - HP StorageWorks MSL2024/MSL4048/MSL8096 Tape Library Service and Support: Library overview > Features and benefits**

#### QUESTION 8

You are connecting an MSL2024 or MSL4048 library to a Fibre Channel SAN. Which statement is correct?

- A. One host only can have access to the tape devices.
- B. Each tape device can be accessed by only one host.
- C. All hosts can have shared access to the tape devices.
- D. Only hosts with HP Data Protector installed can share tape devices.

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

No reference in courseware or user guides. 'HP StorageWorks Enterprise Backup Solution example configurations' document refers to shared access controlled by the Backup Application on page 6. Whether this hints that the answer is actually D is open to debate...

#### **QUESTION 9**

Which scheme reflects the slot numbering of an MSL2024 Tape Library?

- A. vertical columns from top to bottom, starting at the rear
- B. vertical columns from bottom to top, starting at the front
- C. horizontal rows from rear to front, starting at the top row
- D. horizontal rows from front to rear, starting at the bottom row

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**31000 - HP StorageWorks MSL2024/MSL4048/MSL8096 Tape Library Service and Support: Components > Magazines**

#### **QUESTION 10**

Which host interfaces (HBA) can be used for the tape drives of MSL2024 and MSL4048 Tape Libraries? (Select two.)

- A. Ultra 320 SCSI for the Ultrium 448 SCSI tape drive
- B. Ultra 320 SCSI for the Ultrium 960 SCSI tape drive
- C. 2Gb/s Fibre Channel HBA for the Native Fibre Channel Ultrium 960 tape drive
- D. 1Gb/s Fibre Channel HBA for the Native Fibre Channel Ultrium 960 tape drive
- E. 2Gb/s Fibre Channel HBA for the Native Fibre Channel Ultrium 960 tape drive

**Correct Answer:** AB

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**31000 - HP StorageWorks MSL2024/MSL4048/MSL8096 Tape Library Service and Support: Installation > SCSI requirements**

**QUESTION 11**

Where are the magazines of an MSL2024 Tape Library located?

- A. at the left side with one mailslot
- B. at the right side with one mailslot
- C. at both sides with one mailslot at the left side
- D. at both sides with one mailslot at the right side

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**31000 - HP StorageWorks MSL2024/MSL4048/MSL8096 Tape Library Service and Support:**

**Components > Front view**

**Components > Magazines**

**QUESTION 12**

What is the host interface of the Ultrium 448 tape drive?

- A. Ultra 160 SCSI
- B. Ultra 320 SCSI
- C. 2Gb Fibre Channel
- D. 4Gb Fibre Channel

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**700 - HP Standalone Tape Technologies Service and Maintenance WBT: LTO – 2nd generation > Ultrium 460 and 448 features**

**QUESTION 13**

Which OCP parameters must be set before connecting to MSL2024 or MSL4048 libraries with RMI? (Select three.)

- A. network enabled
- B. service password
- C. web server enabled
- D. valid network settings
- E. administrator password

F. serial connection enabled

**Correct Answer:** ADE

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**31000 - HP StorageWorks MSL2024/MSL4048/MSL8096 Tape Library Service and Support: Remote Management Interface > Introduction**

#### **QUESTION 14**

Which HP tape solution provides 400GB native capacity with 80MB/s native performance?

- A. SDLT 320
- B. SDLT 600
- C. Ultrium 460
- D. Ultrium 960

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**700 - HP Standalone Tape Technologies Service and Maintenance WBT: LTO – 3rd generation > Ultrium 960 features**

#### **QUESTION 15**

Which HP tape drive solution incorporates WORM functionality? (Select two.)

- A. SDLT 600
- B. SDLT 320
- C. Ultrium 460
- D. Ultrium 960
- E. DLT VS160

**Correct Answer:** AD

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**700 - HP Standalone Tape Technologies Service and Maintenance WBT:  
LTO – 3rd generation > Drive technology**

**Super digital linear tape (SDLT) > Drive technology****QUESTION 16**

What color is an HP branded Ultrium 3 data tape cartridge?

- A. red
- B. blue
- C. black
- D. yellow

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**31000 - HP StorageWorks MSL2024/MSL4048/MSL8096 Tape Library Service and Support: Library overview > Media part numbers**

**QUESTION 17**

What are the connectivity options for an MSL2024 Tape Library with a full-height Ultrium 960 tape drive installed?

- A. two 68-pin HD SCSI connectors, one Ethernet port
- B. four 68-pin HD SCSI connectors, one Ethernet port
- C. one 68-pin VHDC SCSI connector, two Ethernet ports
- D. two 68-pin VHDC SCSI connectors, two Ethernet ports

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**31000 - HP StorageWorks MSL2024/MSL4048/MSL8096 Tape Library Service and Support: Components > Rear view**

**QUESTION 18**

Which action requires the Administrative password for the MSL2024 Tape Library?

- A. checking network information
- B. unlocking and closing the mailslot
- C. removing and replacing a tape drive
- D. accessing library and drive information



**Correct Answer:** C  
**Section:** (none)  
**Explanation**

**Explanation/Reference:**

**31000 - HP StorageWorks MSL2024/MSL4048/MSL8096 Tape Library Service and Support: Operation and configuration > OCP menu structure**

#### **QUESTION 19**

Why should you place MSL2024 or MSL4048 Tape Libraries away from frequently used doors and walkways?

- A. Personnel could be harmed through an oversight of the library.
- B. Dust and debris could be raised, which can damage tapes and tape drives.
- C. The library is sensitive to air stream, which could affect proper operation of the fans.
- D. The library could be exposed to magnetic fields from electronic doors in these areas.

**Correct Answer:** B  
**Section:** (none)  
**Explanation**

**Explanation/Reference:**

**31000 - HP StorageWorks MSL2024/MSL4048/MSL8096 Tape Library Service and Support: Installation > Site preparation**

#### **QUESTION 20**

Should a two-tone yellow and white color-coded cartridge be loaded into an MSL2024 tape library equipped with Ultrium 448 drives?

- A. No. This is an SDLT cartridge.
- B. No. This is a WORM cartridge.
- C. Yes. It is a 400 GB data cartridge.
- D. Yes. It is the universal cleaning cartridge.

**Correct Answer:** B  
**Section:** (none)  
**Explanation**

**Explanation/Reference:**

**31000 - HP StorageWorks MSL2024/MSL4048/MSL8096 Tape Library Service and Support: Library overview > Media part numbers**

#### **QUESTION 21**

Before installing an MSL4048 Tape Library, you must remove the shipping lock. Where is it located?

- A. on the back panel of the library, interposed in a metal bracket
- B. in the top center of the library, held in place with a piece of tape
- C. on the cartridge side of the magazines, attached with a red plastic clip
- D. attached to the robotics and the yellow plastic stripe must be pulled out through a slot in the back panel

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**31000 - HP StorageWorks MSL2024/MSL4048/MSL8096 Tape Library Service and Support: Installation > Installing the rails and library**

#### **QUESTION 22**

Which management tool allows a roles-based login with three different levels of access?

- A. CLI
- B. RMI
- C. OCP
- D. telnet

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**31000 - HP StorageWorks MSL2024/MSL4048/MSL8096 Tape Library Service and Support: Remote Management Interface > Introduction**

#### **QUESTION 23**

What must be done to reduce the risk of personal injury or equipment damage during a rack installation of an MSL2024 or MSL4048 Tape Library? (Select three.)

- A. Remove power from the rack.
- B. Extend the leveling jacks to the floor.
- C. Remove shipping locks before installation.
- D. Extend only one rack component at a time.
- E. Mount the library only in the lower half of the rack.
- F. Obtain adequate assistance for lifting the library.

**Correct Answer:** BDF

**Section: (none)**

**Explanation**

**Explanation/Reference:**

**31000 - HP StorageWorks MSL2024/MSL4048/MSL8096 Tape Library Service and Support: Installation > Tools and precautions**

**QUESTION 24**

In addition to rebooting the tape library, what does the **Reboot The Library** option do? (Select three.)

- A. resets all library statistics
- B. resets library date and time
- C. clears NVRAM configuration
- D. forces a new cartridge inventory
- E. clears any current error condition
- F. interrupts current backup or restore operation and causes the operation to fail

**Correct Answer:** DEF

**Section: (none)**

**Explanation**

**Explanation/Reference:**

**HP StorageWorks MSL4048 Tape Library User and Service Guide (page 50)**

**QUESTION 25**

You want to remove both left magazines. Due to the library design, both magazines unlock when Unlock Left Magazines is selected. What should be done next?

- A. Pull out the lower left magazine and then the upper left magazine.
- B. Wait for the Magazine Unlocked message to appear on the OCP before pulling out magazines.
- C. Pull the magazines slowly out of the library, one after the other, to avoid damage to the robot and the sliders.
- D. Immediately pull both magazines out of the library at the same time as the robot may relock the remaining magazine if not pulled forward quickly enough.

**Correct Answer:** D

**Section: (none)**

**Explanation**

**Explanation/Reference:**

**31000 - HP StorageWorks MSL2024/MSL4048/MSL8096 Tape Library Service and Support: Operation and configuration > Performing basic operations - MSL4048**

**QUESTION 26**

Which statements are correct about the Remote Management Interface? (Select two.)

- A. It resides in the tape library and requires an additional software license.
- B. It resides on an optional PCI card installed in the MSL2024/MSL4048 Tape Libraries.
- C. It resides in the tape library and requires no additional software or licensing.
- D. It allows you to monitor and control the library from a host where you have installed Command View MSL.
- E. It allows you to monitor and control the library from any terminal connected to the network or through the World Wide Web.

**Correct Answer:** CE

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**31000 - HP StorageWorks MSL2024/MSL4048/MSL8096 Tape Library Service and Support: Remote Management Interface > Introduction**

**QUESTION 27**

Which terminator is recommended when installing an MSL2024 or MSL4048 library with Ultrium 960 tape drives? (Select two.)

- A. MultiMode
- B. Ultra 160 active
- C. Ultra 320 active
- D. Ultra 160 passive
- E. Ultra 320 passive

**Correct Answer:** AC

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**31000 - HP StorageWorks MSL2024/MSL4048/MSL8096 Tape Library Service and Support: Installation > Connecting the cables**

**QUESTION 28**

What are Reserved slots?

- A. slots dedicated to cleaning cartridges only
- B. empty magazine slots used only for exchanging cartridges between drives
- C. slots containing the respective other tape format in mixed-media configurations

D. slots that can be accessed by the RMI and the OCP, but are invisible to the host and backup software

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**31000 - HP StorageWorks MSL2024/MSL4048/MSL8096 Tape Library Service and Support: Operation and configuration > Configuring other settings**

#### **QUESTION 29**

If you do not know the administrator password, you can generate a temporary password. Which information is needed?

- A. HP order number
- B. library IEEE address
- C. library date and time
- D. library serial number

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**31000 - HP StorageWorks MSL2024/MSL4048/MSL8096 Tape Library Service and Support: Operation and configuration > Configuring initial settings - MSL2024**

#### **QUESTION 30**

Which terminator is recommended when installing an MSL2024 or MSL4048 library with Ultrium 448 tape drives? (Select two.)

- A. MultiMode
- B. Ultra2 active
- C. Ultra 160 active
- D. Ultra 160 passive
- E. Ultra 320 passive

**Correct Answer:** AC

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**31000 - HP StorageWorks MSL2024/MSL4048/MSL8096 Tape Library Service and Support: Installation > Connecting the cables****QUESTION 31**

What must be done after changing the SCSI ID of the drives in an MSL4048 Tape Library?

- A. Reboot the library.
- B. Run device scan in the Windows device manager.
- C. Configure the mappings in the Network Storage Router.
- D. Power cycle the host server and reconfigure backup software.

**Correct Answer: D**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

**31000 - HP StorageWorks MSL2024/MSL4048/MSL8096 Tape Library Service and Support: Operation and configuration > Configuring initial settings - MSL4048**

**QUESTION 32**

In an MSL2024 or MSL4048 library, what does the master drive tape device do?

- A. hosts the library LUN
- B. controls the access to the mail slot
- C. controls the MSL in a multi-unit configuration
- D. is reserved for the master host where the backup software is installed

**Correct Answer: A**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

**31000 - HP StorageWorks MSL2024/MSL4048/MSL8096 Tape Library Service and Support: Installation > SCSI requirements  
Operation and configuration > Configuring initial settings - MSL2024  
Operation and configuration > Configuring initial settings - MSL4048**

**QUESTION 33**

Which library configurations are needed for the native Fibre Channel drive that are not needed for the SCSI drive? (Select two.)

- A. Set the port type.

- B. Set the port speed.
- C. Set the master drive.
- D. Set the date and time.
- E. Configure the network settings.

**Correct Answer:** AB

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**31000 - HP StorageWorks MSL2024/MSL4048/MSL8096 Tape Library Service and Support:**

**Operation and configuration > Configuring initial settings - MSL2024**

**Operation and configuration > Configuring initial settings - MSL4048**

#### **QUESTION 34**

What does the master drive of HP StorageWorks MSL2024 and MSL4048 libraries use?

- A. a SCSI ID per tape drive and library robotic controller
- B. a single SCSI ID and a single LUN to control the tape drives and library robotic controller
- C. a single SCSI ID and dual LUNs to control the tape drive LUN 0 and library robotic controller LUN 1
- D. a SCSI ID and multiple LUNs for the tape drives and a separate SCSI ID for the library robotics controller

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**31000 - HP StorageWorks MSL2024/MSL4048/MSL8096 Tape Library Service and Support: Installation > SCSI requirements**

#### **QUESTION 35**

Which network parameters can be set using the Operator Control Panel or Network tab in the Remote Management Interface? (Select three.)

- A. gateway
- B. ftp enabled/disabled
- C. DHCP enabled/disabled
- D. IP address and network mask
- E. network administrator password
- F. ftp firmware download enabled/disabled

**Correct Answer:** ACD

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**31000 - HP StorageWorks MSL2024/MSL4048/MSL8096 Tape Library Service and Support:**

**Operation and configuration > Configuring initial settings - MSL2024**

**Operation and configuration > Configuring initial settings - MSL4048**

**Remote Management Interface > Configuration tab**

### **QUESTION 36**

When should the operator execute an inventory operation?

- A. every time the library is rebooted
- B. every time a magazine is removed and reinserted
- C. when the inventory in the library differs from the inventory in the backup software
- D. when the inventory in the library differs from the inventory displayed on the front panel

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**31000 - HP StorageWorks MSL2024/MSL4048/MSL8096 Tape Library Service and Support:**

**Operation and configuration > Performing basic operations - MSL2024**

**Operation and configuration > Performing basic operations - MSL4048**

### **QUESTION 37**

What should be considered when operating the Remote Management Interface (RMI) of an MSL2024 or MSL4048 Tape Library?

- A. Some RMI options take the library off line.
- B. Always ensure the library is idle before attempting to access the RMI.
- C. You need Windows administrator privileges to access certain RMI functions.
- D. RMI access is prevented while a host-based application software uses the library to avoid backup or restore failures.

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**31000 - HP StorageWorks MSL2024/MSL4048/MSL8096 Tape Library Service and Support: Remote Management Interface > Introduction**



**QUESTION 38**

When should an MSL2024 or MSL4048 Tape Library be set up to operate in Sequential mode?

- A. when the installed tape drives are daisy chained
- B. to achieve maximum backup performance for image backups
- C. when a full-featured or a robotic-aware backup application is in use
- D. when the backup software is not robotics-aware or was designed for standalone drives only

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**31000 - HP StorageWorks MSL2024/MSL4048/MSL8096 Tape Library Service and Support: Operation and configuration > Setting library behavior**

**QUESTION 39**

What is the factory-default Administrative password for the MSL4048 Tape Library?

- A. The password is 12345678.
- B. The library ships with no Administrative password set.
- C. Password protection is active with a random number that must be unlocked using the Service password.
- D. After the first power up, you can use any 8-digit number before being prompted to set the Administrative password.

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**31000 - HP StorageWorks MSL2024/MSL4048/MSL8096 Tape Library Service and Support: Operation and configuration > Configuring initial settings - MSL4048**

**QUESTION 40**

Why could Loop mode be dangerous?

- A. It continuously loads and unloads all tapes until manually turned off.
- B. It exercises the robotics until manually turned off, stressing the mechanism.
- C. It rotates the same two cartridges for write tests, which may result in excessive tape wear.
- D. It reloads the first cartridge in the sequence after it cycled through all available cartridges, causing data to be overwritten.

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**31000 - HP StorageWorks MSL2024/MSL4048/MSL8096 Tape Library Service and Support: Operation and configuration > Setting library behavior**

#### **QUESTION 41**

You installed an MSL4048 tape library and noticed that the drive is detected by the server, but not the library robotics. What is the most likely problem

- A. You booted up the library before the server.
- B. You forgot to remove the library's shipping lock.
- C. The drive is set to LUN 0 and the robotics to LUN 1.
- D. You are using an HBA that does not support LUN scanning.

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**31000 - HP StorageWorks MSL2024/MSL4048/MSL8096 Tape Library Service and Support: Installation > SCSI requirements**

#### **QUESTION 42**

You are unable to remove the magazine using the OCP or the RMI due to a severe hardware condition. What must you do?

- A. Remove the top cover and then remove the magazine.
- B. Remove the drives and then remove the magazine through the drive bay.
- C. Turn off the library and pull sharply on the magazine doors to release them.
- D. Insert a straightened paper clip into the magazine release hole in the rear of the library.

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**31000 - HP StorageWorks MSL2024/MSL4048/MSL8096 Tape Library Service and Support: Components > Magazines**

#### **QUESTION 43**

The media attention LED flashes and an exclamation point (!) is displayed in the inventory display for the given slot number. What might this indicate?

- A. Media is a WORM tape.
- B. No bar code label was found.
- C. Cleaning cartridge was found.
- D. Media is incompatible with the drive.

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**31000 - HP StorageWorks MSL2024/MSL4048/MSL8096 Tape Library Service and Support: Maintenance and troubleshooting > Troubleshooting common problems**

#### **QUESTION 44**

What is the procedure for replacing a power supply of an MSL4048?

- A. Power down the library and replace the power supply.
- B. Make the power supply offline in the OCP and replace it.
- C. Ensure the drives are idle and then hot swap the power supply.
- D. Remove the library from the rack and hot swap the power supply.

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**31000 - HP StorageWorks MSL2024/MSL4048/MSL8096 Tape Library Service and Support: Replacing components > Power supply - MSL4048**

**Note:** This is the procedure if only 1 PSU is present, if it is fitted with 2 then it becomes hot-swap.

#### **QUESTION 45**

You are removing a stuck tape from a tape drive. What should you do before using the **force drive to eject tape** option in the support menu option of the OCP?

- A. Attempt to remove the tape manually.
- B. Create a support ticket and savethelibrary configuration using the RMI.
- C. Attempt to remove the tape using the move command in the Operations Menu of the OCP.
- D. Remove the tape from the library, replace it and reboot the library to force it to reinitialize the drive.

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**31000 - HP StorageWorks MSL2024/MSL4048/MSL8096 Tape Library Service and Support: Maintenance and troubleshooting > Troubleshooting common problems**

#### **QUESTION 46**

How can you use Library & Tape Tools (L&TT) if the customer refuses to allow you to install it on the Windows system?

- A. Run L&TT from CD.
- B. Run L&TT from floppy.
- C. Run L&TT from the library RMI.
- D. Run L&TT internet-based application.

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**<http://www.hp.com/support/TapeTools>**

#### **QUESTION 47**

When performing library diagnostics that take the library offline using the Remote Management Interface, what must you do to prevent interference with the backup application?

- A. Ensure the library is idle.
- B. Run a dummy backup first.
- C. Disconnect the library serial cable.
- D. Make the library offline from the OCP.

**Correct Answer:** A

**Section:** (none)

**Explanation**

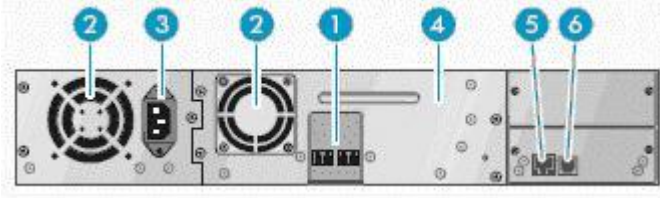
**Explanation/Reference:**

**31000 - HP StorageWorks MSL2024/MSL4048/MSL8096 Tape Library Service and Support: Remote Management Interface > Introduction**

#### **QUESTION 48**

Identify the connector indicated by the number 1 in the exhibit.

Exhibit:



- A. serial
- B. Ethernet
- C. multilibrary interface
- D. Tape DriveFibreChannelports

**Correct Answer: D**

**Section: (none)**

**Explanation**

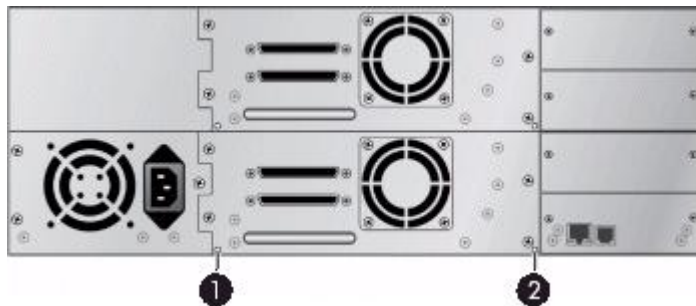
**Explanation/Reference:**

**31000 - HP StorageWorks MSL2024/MSL4048/MSL8096 Tape Library Service and Support: Components > Rear view**

#### QUESTION 49

What is the name of the MSL4048 component shown in points 1 and 2 in the exhibit?

Exhibit:



- A. tape drive reset holes
- B. library power down buttons
- C. manual drive release button
- D. manual magazine release holes

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**31000 - HP StorageWorks MSL2024/MSL4048/MSL8096 Tape Library Service and Support: Components > Magazines**

#### **QUESTION 50**

What must you do before removing a tape drive in an MSL2024 Tape Library?

- A. Power off the library and remove the top cover.
- B. Nothing. Remove the drive, as it is hot-swappable.
- C. Power down the library and remove it from the rack to access the tape drive.
- D. Power down the tape drive from the OCP or RMI, ensuring the tape LED is off.

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**31000 - HP StorageWorks MSL2024/MSL4048/MSL8096 Tape Library Service and Support: Replacing components > Tape drive**

#### **QUESTION 51**

The NSR N1200-360 Fibre Channel link (LNK) LED is not lit and is experiencing frame errors. What is the most probable cause?

- A. broken fiber cable
- B. mis-mapped devices
- C. host connection errors
- D. performance mode set to the wrong speed

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**HP StorageWorks N1200-320 4Gb Network Storage Router user and service guide (page 95).**

#### **QUESTION 52**

What is used to manage the MSL4048 Tape Library? (Select two.)

- A. MSUTIL
- B. LIBDiags
- C. Library&TapeTools
- D. Operator Control Panel
- E. Remote Management Interface

**Correct Answer:** DE

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**31000 - HP StorageWorks MSL2024/MSL4048/MSL8096 Tape Library Service and Support:**

**Operation and configuration > OCP introduction**

**Remote Management Interface > Introduction**

**HP StorageWorks MSL2024, MSL4048, and MSL8096 Tape Libraries User and service guide (page 51)**

#### **QUESTION 53**

During operation, a tape is stuck in the drive and cannot be released from the OCP. What should you do to stop the software from influencing the control of the device to enable you to remove the cartridge?

- A. Eject the media using Library and Tape Tools.
- B. Use Removable Storage Manager to eject the media.
- C. Stop the software services and use the eject function in the software.
- D. Disconnect the library, reboot it and then eject the media from the OCP.

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**31000 - HP StorageWorks MSL2024/MSL4048/MSL8096 Tape Library Service and Support: Maintenance and troubleshooting >**

**Troubleshooting common problems**

#### **QUESTION 54**

The backup solution is unable to write to a tape cartridge that was imported into the MSL library. It is a known tape format and is not write protected. Referring to the exhibit, what is the recommended solution to eliminate a possible tape drive failure?

**Exhibit:**

	<p>restore defaults from the RMI.</p> <ol style="list-style-type: none"> <li>Examine the Error log on the RMI to look for display issues.</li> <li>Power cycle the library.</li> <li>Contact your service representative.</li> </ol>
<b>Tape Movement</b>	
Tape stuck in drive.	<ol style="list-style-type: none"> <li>Attempt to unload tape from the backup software.</li> <li>Make sure that the backup software is not reserving the slot or preventing the tape drive from ejecting the cartridge. The backup software needs to cancel the reservation and any hold it has on the tape drive. Temporarily disconnecting the library from the host server and power cycling eliminates the host and its software as a problem source. Power off the library, disconnect and reconnect the SCSI cable, power on the library and allow it to complete initialization, which in rare cases can take as long as 10 minutes, and then retry unloading the tape using the library operator control panel.</li> <li>Attempt the Force Eject Tape operation from the OCP Support menu.</li> <li>Contact your service representative.</li> </ol>
Tape stuck in storage slot.	See "Removing stuck tapes from drives" on page 68.
<b>Media</b>	
Cannot write to or read from tape.	<ul style="list-style-type: none"> <li>Make sure that the cartridge is write enabled (move the write-protect switch to the enabled position).</li> <li>Make sure you have the appropriate data cartridge for your MSL4048 library model.</li> <li>Make sure you are using an Ultrium cartridge that has not been degaussed. Do not degauss Ultrium cartridges!</li> <li>Make sure that the cartridge has not been exposed to harsh environmental or electrical conditions and is not physically damaged.</li> <li>Many backup applications do not read or write to cartridges that were created using a different backup application. In this case, you may have to perform an erase, format, or label operation on the cartridge.</li> <li>Make sure you understand data protection or overwrite protection schemes that your backup application may be using, which could prevent you from writing to a given cartridge.</li> <li>Retry the operation with a different, known good tape.</li> <li>Clean the tape drive. See "Moving Media (Operations &gt; Move Media)" on page 41.</li> </ul>

- Force-format the tape cartridge.
- Unload the cartridge and degause it.
- Retry the operation with a different, known good cartridge.



D. Eject the media, reboot the library, and try the operation again.

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 55**

When replacing the chassis on the MSL4048, which parts are removed from the old chassis? (Select three.)

- A. robot
- B. tape drives
- C. power supply
- D. library controller
- E. robot controller board
- F. central processing board

**Correct Answer:** BCD

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**31000 - HP StorageWorks MSL2024/MSL4048/MSL8096 Tape Library Service and Support: Replacing components > Base chassis**

#### **QUESTION 56**

The last MSL2024 tape drive on the SCSI bus has intermittent SCSI errors. What is the most probable cause?

- A. The HBA is not terminated.
- B. The robotics are not terminated.
- C. The last drive terminator is missing.
- D. The termination option in the OCP is set to HVD.

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**31000 - HP StorageWorks MSL2024/MSL4048/MSL8096 Tape Library Service and Support:**

**Installation > Connecting the cables**  
**Maintenance and troubleshooting > Troubleshooting installation problems**

**QUESTION 57**

In the OCP of a newly installed MSL2024, **hard error 8D** is displayed. What is the most probable cause?

- A. There is a tape drive failure.
- B. The shipping lock has not been removed.
- C. The library is not configured for two drives.
- D. Communication between the master drive and the robot has failed.

**Correct Answer: B**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

**31000 - HP StorageWorks MSL2024/MSL4048/MSL8096 Tape Library Service and Support: Maintenance and troubleshooting > Troubleshooting installation problems**

**QUESTION 58**

What must you do first when preparing to replace parts of an MSL2024 to avoid damaging micro electric circuitry?

- A. Follow all ESD precautions.
- B. Lay foam matting under the library.
- C. Place one hand on the power supply.
- D. Ensure the stabilizing feet are on the rack.

**Correct Answer: A**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

**31000 - HP StorageWorks MSL2024/MSL4048/MSL8096 Tape Library Service and Support: Replacing components > Precautions**

**QUESTION 59**

What must be set up on the SCSI HBA interface for an MSL2024 or MSL4048 tape library so that the Windows operating system can discover it?

- A. active fabric
- B. indexed mapping
- C. LUN scanning enabled

D. Windows operating system option on each Fibre Channel port

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**31000 - HP StorageWorks MSL2024/MSL4048/MSL8096 Tape Library Service and Support: Installation > SCSI requirements**

#### **QUESTION 60**

A customer has an MSL2024 connected to an SE SCSI host adapter with a 3 m cable. The library has intermittent SCSI errors. What is the most probable cause?

- A. SCSI cable is too long.
- B. SCSI terminator is set to HVD.
- C. Host bus adapter is trying to negotiate to LVD SCSI.
- D. Communication between the master drive and robotics is disrupted.

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**1822 - HP Storage Technologies: Technical (all pages): SCSI > Introduction to SCSI > SCSI standard characteristics**

#### **QUESTION 61**

A new MSL2024 Tape Library has been installed and displays robot move errors on the OCP. What is the most probable cause of the error?

- A. The library has been damaged in transit.
- B. The robot SCSI ID has been set incorrectly.
- C. The shipping locks have not been removed.
- D. The library configuration is set to the default 1-based numbering.

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**31000 - HP StorageWorks MSL2024/MSL4048/MSL8096 Tape Library Service and Support: Maintenance and troubleshooting > Troubleshooting installation problems**

**QUESTION 62**

What should you do once the base chassis of the MSL4048 has been replaced and the configuration has been restored?

- A. Clean the drives.
- B. Run the wellness test for 24 hours.
- C. Contact HP Customer Support to inform them of the chassis serial number change.
- D. Run Library & Tape Tools to verify all components operate correctly and that the firmware is up to date.

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 63**

Which tape drive cannot be replaced with the MSL4048 Tape Library online?

- A. top tape drive
- B. bottom tape drive
- C. master tape drive
- D. tape drive with the oldest firmware

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**31000 - HP StorageWorks MSL2024/MSL4048/MSL8096 Tape Library Service and Support: Replacing components > Tape drive**

**QUESTION 64**

The OCP of an MSL4048 tape library displays the error message: **F2 02 Drive sled not present**. Referring to the exhibit, what is the correct recovery action for this failure?

**Exhibit:**

Error Code	Description	Details and Solution
F0	Drive exceeded temperature specification	Check ambient temperature conditions and fans The error sub code will indicate which drive assembly is affected <ul style="list-style-type: none"> <li>▪ subcode 00 = Drive 1</li> <li>▪ subcode 01 = Drive 2</li> <li>▪ subcode 02 = Drive 3</li> <li>▪ subcode 03 = Drive 4</li> </ul>
F1	Library controller lost communication with the drive	Re-seat the tape drive
F2	Drive sled not present	The error sub code will indicate which drive assembly is affected <ul style="list-style-type: none"> <li>▪ subcode 00 = Drive 1</li> <li>▪ subcode 01 = Drive 2</li> <li>▪ subcode 02 = Drive 3</li> <li>▪ subcode 03 = Drive 4</li> </ul>
F3	Drive hardware error	<ul style="list-style-type: none"> <li>▪ Cycle power, after several occurrences,</li> <li>▪ Contact technical support</li> </ul> The error sub code will indicate which drive assembly is affected <ul style="list-style-type: none"> <li>▪ subcode 00 = Drive 1</li> <li>▪ subcode 01 = Drive 2</li> <li>▪ subcode 02 = Drive 3</li> <li>▪ subcode 03 = Drive 4</li> </ul>
F4	Time allotted for drive loading exceeded	<ul style="list-style-type: none"> <li>▪ Retry the operation, if not successful,</li> <li>▪ Contact technical support</li> </ul> The error sub code will indicate which drive assembly is affected <ul style="list-style-type: none"> <li>▪ subcode 00 = Drive 1</li> <li>▪ subcode 01 = Drive 2</li> <li>▪ subcode 02 = Drive 3</li> <li>▪ subcode 03 = Drive 4</li> </ul>
F5	Time allotted for drive unloading exceeded	<ul style="list-style-type: none"> <li>▪ Attempt Force Tape Eject test</li> <li>▪ Inspect tape for defects after unloading</li> </ul> The error sub code will indicate which drive assembly is affected <ul style="list-style-type: none"> <li>▪ subcode 00 = Drive 1</li> <li>▪ subcode 01 = Drive 2</li> <li>▪ subcode 02 = Drive 3</li> <li>▪ subcode 03 = Drive 4</li> </ul>

A. Reseat tape drive 2.

- B. Reseat tape drive 3.
- C. Disable tape drive 2.
- D. Upgrade the tape firmware.

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 65**

When troubleshooting performance issues in an MSL2024 Tape Library, you discover that the library is also on the same SCSI bus with single-ended devices. How can you resolve this problem?

- A. Set the library to single-ended in the Operator Control Panel (OCP).
- B. Install a second single-ended SCSI-2 host bus adapter for the library.
- C. Install an additional LVD SCSI-3 host bus adapter exclusively for the MSL 2024 library.
- D. Set the library to HVD SCSI-2 in the OCP and install a separate host bus adapter for the library.

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**31000 - HP StorageWorks MSL2024/MSL4048/MSL8096 Tape Library Service and Support: Installation > SCSI requirements**

#### **QUESTION 66**

What is the native sustained transfer rate of the MSL4048 Tape Library with one Ultrium 960 drive using the LTO-3 media cartridges?

- A. 86GB/hr
- B. 172GB/hr
- C. 288GB/hr
- D. 576GB/hr

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Skynet: I didn't verified this answer. Be advised.

**QUESTION 67**

Identify the correct statement about air quality when installing an MSL2024 or MSL4048 Tape Library.

- A. Air quality is not an issue because the air is filtered.
- B. Excessive dust and debris can damage tapes and tape drives.
- C. Air quality is only an issue when the library is mounted in the lower half of the rack.
- D. Air quality is not an issue preventative maintenance is done as when recommended.

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Skynet: Please, note that in the original question from ActualTests.com the "correct" answer was C... As I strongly disagree with that reasoning (floor air conditioning, anyone...?) I've changed the answer to B in this exam. That's my opinion, but you can act by yourself.

**QUESTION 68**

What is the standard warranty of MSL2024 and MSL4048 Tape Libraries?

- A. 3 year parts exchange, 3 day response
- B. 3 year parts exchange, 4 hour response
- C. 1 year on-site, next business day response
- D. 1 year parts exchange, next business day response

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Skynet: Correct according to those specific models' QuickSpecs.

**QUESTION 69**

What features describe reserved slots in MSL2024 and MSL4048 Tape Libraries?

- A. can be configured as mailslots
- B. can be accessed by the backup software, but are invisible over OCP or RMI
- C. can be accessed over OCP and RMI, but are invisible to the backup software
- D. can be used as cleaning slots when the cleaning is controlled by the backup software

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Skynet: Very similar to question 28, but not a duplicate.

#### **QUESTION 70**

When is the Operator Control Panel splash screen displayed on an MSL4048 Tape Library?

- A. when pressing the touch screen
- B. when the library is being shut down
- C. each time the library is powered on or rebooted, or after 5 minutes of inactivity
- D. while the library is being operated through the Remote Management Interface (RMI)

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Skynet: Verified at the User and Service Guide (page 133) - Using the OCP.

#### **QUESTION 71**

Which statements are correct concerning MSL2024 and MSL4048 libraries in Random mode? (Select two.)

- A. Robotics must be supported by the backup application.
- B. Cartridges are loaded into the tape drives by software requests.
- C. The next cartridge is loaded into the tape drive automatically after a backup job is finished.
- D. Random mode allows the library to switch between Auto and Loop mode depending on the SCSI command received.
- E. The original first cartridge in the sequence is reloaded after the autoloader/library has cycled through all available cartridges.

**Correct Answer:** AB

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Skynet: Verified. Same manual at User and Service Guide page 72: "Library Mode".

#### **QUESTION 72**

Which type of HBA support do MSL2024 and MSL4048 libraries require?



- A. LUN sharing
- B. LUN scanning
- C. domain validation
- D. media control commands

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Skynet: Again very similar to a previous one, but not a duplicate. Verified (User and Service Guide page 38 - "About parallel SCSI busses")

#### **QUESTION 73**

Which tab in the Remote Management Interface contains the library's current IP address?

- A. Status
- B. Identity
- C. Utilities
- D. Operations

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Skynet: Verified. Note that it refers to the RMI, not the OCP.

#### **QUESTION 74**

In which tab do you find information about the current robotics and drive firmware in RMI/Command View MSL? (Select two.)

- A. Status
- B. Identity
- C. Support
- D. Operations
- E. Configuration

**Correct Answer:** AB

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Skynet: Verified: User and Service Guide pages 71-80.

**QUESTION 75**

Which component is being inserted into the MSL4048 Tape Library in the exhibit?

**Exhibit:**



- A. tape drive
- B. cooling fan
- C. power supply
- D. library controller

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Skynet: Corrected from the original ActualTests.com dump. It said C was the correct answer which is absolutely wrong. :-P

**QUESTION 76**

Which application can be configured to automatically check the web for firmware updates for an MSL2024?

- A. RMI
- B. Insight Manager
- C. HP Data Protector
- D. Library and Tape Tools

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Skynet: Verified.

#### **QUESTION 77**

How can you update drive firmware for an MSL2024 when Library & Tape Tools is not available for use? (Select two.)

- A. Use CommandView TL.
- B. Use Removable Storage Manager.
- C. Download the upgrade from the RMI.
- D. Upload the firmware image using telnet.
- E. Use a firmware update tape and the OCP support menu.

**Correct Answer:** CE

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Skynet: Verified.

#### **QUESTION 78**

What must be removed when replacing the base chassis of the MSL2024?

- A. tape drives and the robot
- B. magazines and tape drives
- C. tape drives and power supplies
- D. robotics controller and tape drives

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Skynet: Good. It's a variant from a previous question.

#### **QUESTION 79**

Before replacing the library controller on the MSL4048, you must save the library configuration. What is the RMI path to save the config?

- A. Status->Configuration-> Save Status
- B. Support->Library Controller->Save Config
- C. HP Support->Configuration->Record Configuration
- D. Configuration->Restore Defaults->Save Vital Product Data

**Correct Answer:** D

**Section:** (none)

**Explanation**

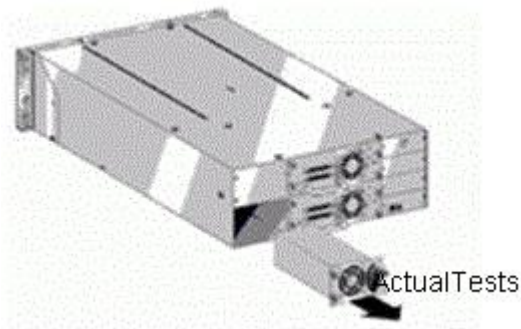
**Explanation/Reference:**

Skynet: Verified. It's not with those exact words, but the others are false so this is the most approximate one.

### QUESTION 80

In the exhibit, what is the name of the component being removed from the MSL4048 Tape Library?

**Exhibit:**



- A. tape drive
- B. power supply
- C. fan assembly
- D. library controller

**Correct Answer:** B

**Section:** (none)

**Explanation**

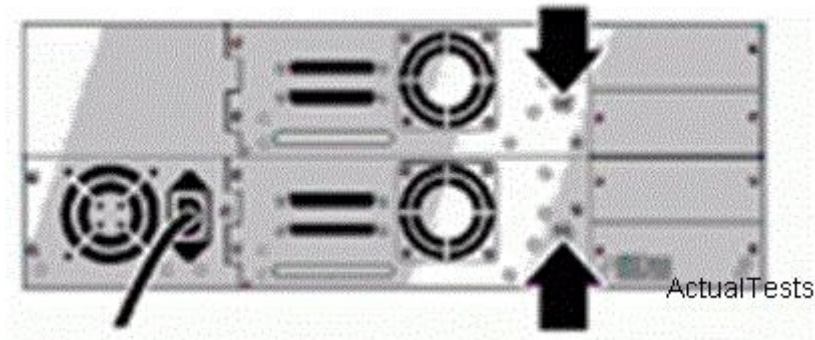
**Explanation/Reference:**

Skynet: Yeah, now IT IS a power supply! xD

### QUESTION 81

What is the status of the LED shown in the exhibit when replacing a failed tape drive?

**Exhibit:**



- A. red/solid
- B. off/steady
- C. amber/steady
- D. green/flashing

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Skynet: User and Service Guide Page 221 says that you need to previously power off the drive, so that LED it's supposed to be off...

**QUESTION 82**

An MSL4048 Tape Library has two daisy-chained Ultrium 960 full-height SCSI tape drives installed. Why should you change this configuration?

- A. One of the tape drives cannot be terminated.
- B. Two Ultrium 960 full-height SCSI tape drives are not supported.
- C. An Ultrium 960 full-height SCSI tape drive should always be on a dedicated SCSI bus.
- D. In this configuration only one drive can be used at a time, which severely degrades overall library performance.

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Skynet: Didn't have time to verify this, sorry.

**QUESTION 83**

You are powering on an MSL2024 or MSL4048 Tape Library for the first time. When should you plug in the host server or workstation and all attached devices?

- A. when all four LEDs are flashing
- B. after the home screen is displayed
- C. after applying power to the host server or workstation
- D. as soon as the attached NSR is powered up and ready

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Skynet: Corrected. The ActualTest.com answer was A. I've checked up with the User and Service Guide at page 55 and it says that you can expect the home screen appearing after the complete init sequence, not when the four leds are flashing.

**QUESTION 84**

What can you use to save the configuration of an MSL2024 before replacing the base chassis?

- A. lib diags
- B. Library & Tape Tools
- C. Operator Control Panel
- D. Remote Management Interface

**Correct Answer:** D

**Section:** (none)

**Explanation**

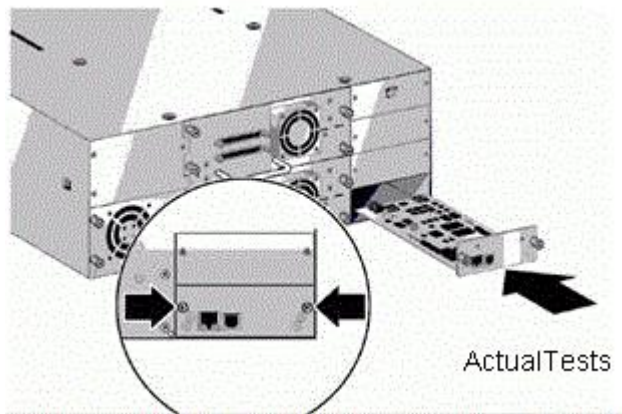
**Explanation/Reference:**

Skynet: This question is the little sister of Q.79, so... next! ;-)

**QUESTION 85**

In the exhibit, which component has been removed from the library?

**Exhibit:**



- A. library controller
- B. tape drive controller
- C. diagnostic interface module
- D. Fibre Channel controller module

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Skynet: Verified. See figures at User and Service Guide page 232.

#### **QUESTION 86**

Which statement about the HP StorageWorks MSL2024 and MSL4048 Tape Libraries is correct?

- A. You can set one SCSI ID for all drives and the robotics controller.
- B. They support the latest generation LTO tape drives, Ultrium 460, Ultrium 448 and Ultrium 960.
- C. They are rack-ready libraries in a compact 2U (MSL2024 tape library) and 4U (MSL4048 tape library) form factor.
- D. Because of the unique design, they can be expanded to a multi-unit configuration (up to 4 units) with a total capacity of 38.4 TB.

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Skynet: Correct. It's a very simple fact, and the other answers are only there to have you lose time.

**QUESTION 87**

When do you have to terminate the MSL2024 tape library?

- A. when using a standard differential or high-voltage differential (HVD) SCSI bus
- B. to make it compatible with a narrow (50-pin) SCSI bus using high-byte termination
- C. only when using a single-ended SCSI HBA (SCSI-3 LVDS will terminate automatically)
- D. when the library is the only SCSI device, other than the SCSI HBA, or when the library is physically the last device on the SCSI bus

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Skynet: Correct. A, B & C are non-sense (even dangerous).

**QUESTION 88**

SCSI devices are recognized on the SCSI buses of the Fibre Channel interface, but do not appear on the Fibre Channel host. What is the most probable cause?

- A. too many SCSI devices in the map
- B. improperly established Fibre Channel link
- C. no separate HBA for tape devices in the host
- D. too many SCSI devices connected to the Fibre Channel controller

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Skynet: I wasn't able to verify this... :-/ I suspect it refers to the NSR fibre channel router and I don't have much literature on its limitations...

**QUESTION 89**

What is the SCSI-ID with the highest priority on a wide SCSI bus?

- A. 0
- B. 7
- C. 8
- D. 15



**Correct Answer:** B  
**Section:** (none)  
**Explanation**

**Explanation/Reference:**

**QUESTION 90**

Which Tape drive format uses two reel cartridge design

- A. DLT
- B. LTO-1
- C. LTO-3
- D. DDS/DAT

**Correct Answer:** D  
**Section:** (none)  
**Explanation**

**Explanation/Reference:**

**QUESTION 91**

When connecting an MSL2024 or 4048 Library with an NSR N1200 to a fiber channel SAN, How are fiber channel LUNs assigned.

- A. With the LUN management of NSR
- B. With HP command view MSL Software
- C. With Hardware Assisted Zoning in the SAN switch
- D. With the persistent binding in the HBA driver configuration file.

**Correct Answer:** A  
**Section:** (none)  
**Explanation**

**Explanation/Reference:**

**QUESTION 92**

Where do you find the latest information about supported HBAs.

- A. EBS compatibility matrix

- B. HBAs Vendors web pages
- C. Hetrogenious SAN design guide
- D. Support Pages on HP website

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

### QUESTION 93

What must be done before you connect the cables to direct SCSI attached MSL2024 or MSL4048 Libraries?

- A. connect the terminator to the library
- B. Disable the device in the windows device manager
- C. Do a rescan of the SCSI devices in the operating system
- D. shutdown and turn off the selected server. Remove the power cord.
- E. Turn off all devices connected to the SCSI bus. Remove the power cords

**Correct Answer:** DE

**Section:** (none)

**Explanation**

**Explanation/Reference:**

verified MSL 2024/4048 service and support>connecting the cables

### QUESTION 94

In a direct FC connect MSL2024 tape library, the devices are present in the OCP but cannot be seen by the host. What is the most probable cause?

- A. The HBA had already assigned disk storage
- B. the devices have not been maapped to the host
- C. Fiber channel speed is set incorrectly in the OCP
- D. Too many devices are connected in the fiber channel switch

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Not confirmed