CSCN4021
Cyber Crime Investigations

Storing evidence

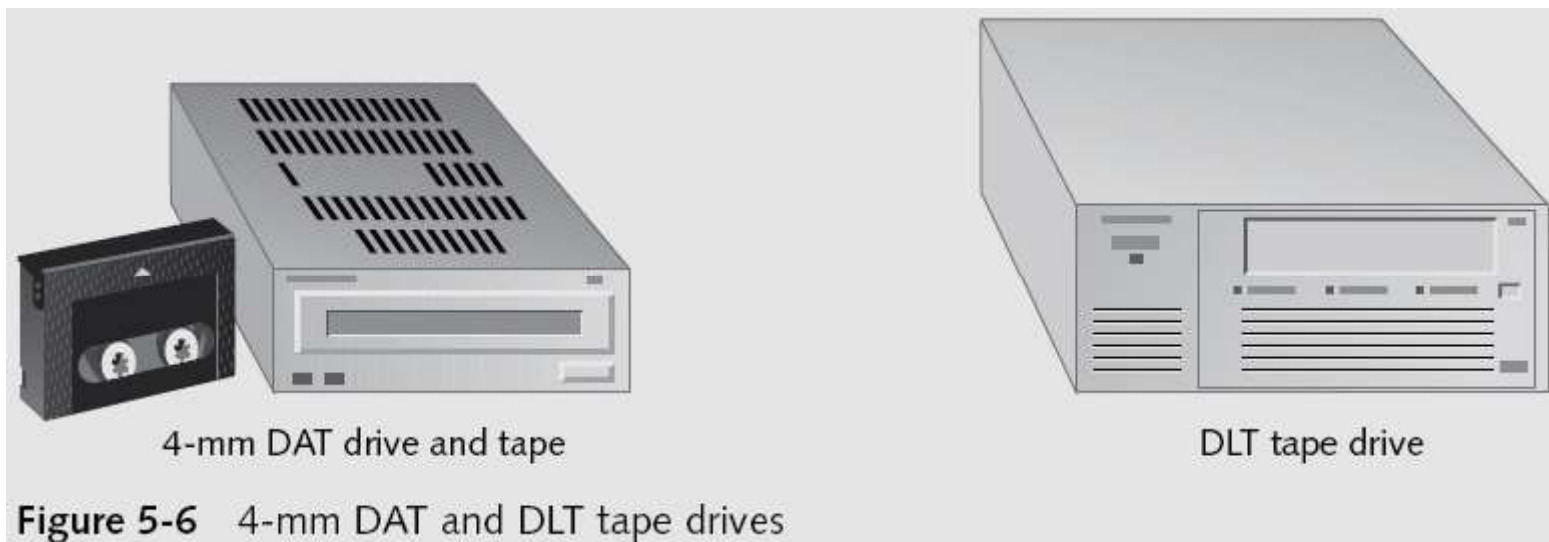**Course Co-Ordinator**

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Storing Digital Evidence

- The media you use to store digital evidence usually depends on how long you need to keep it
- CD-Rs or DVDs
  - The ideal media
  - Capacity: up to 17 GB
  - Lifespan: 2 to 5 years
- Magnetic tapes
  - Capacity: 40 to 72 GB
  - Lifespan: 30 years
  - Costs: drive: $400 to $800; tape: $40

Storing Digital Evidence (continued)

4-mm DAT drive and tape

DLT tape drive

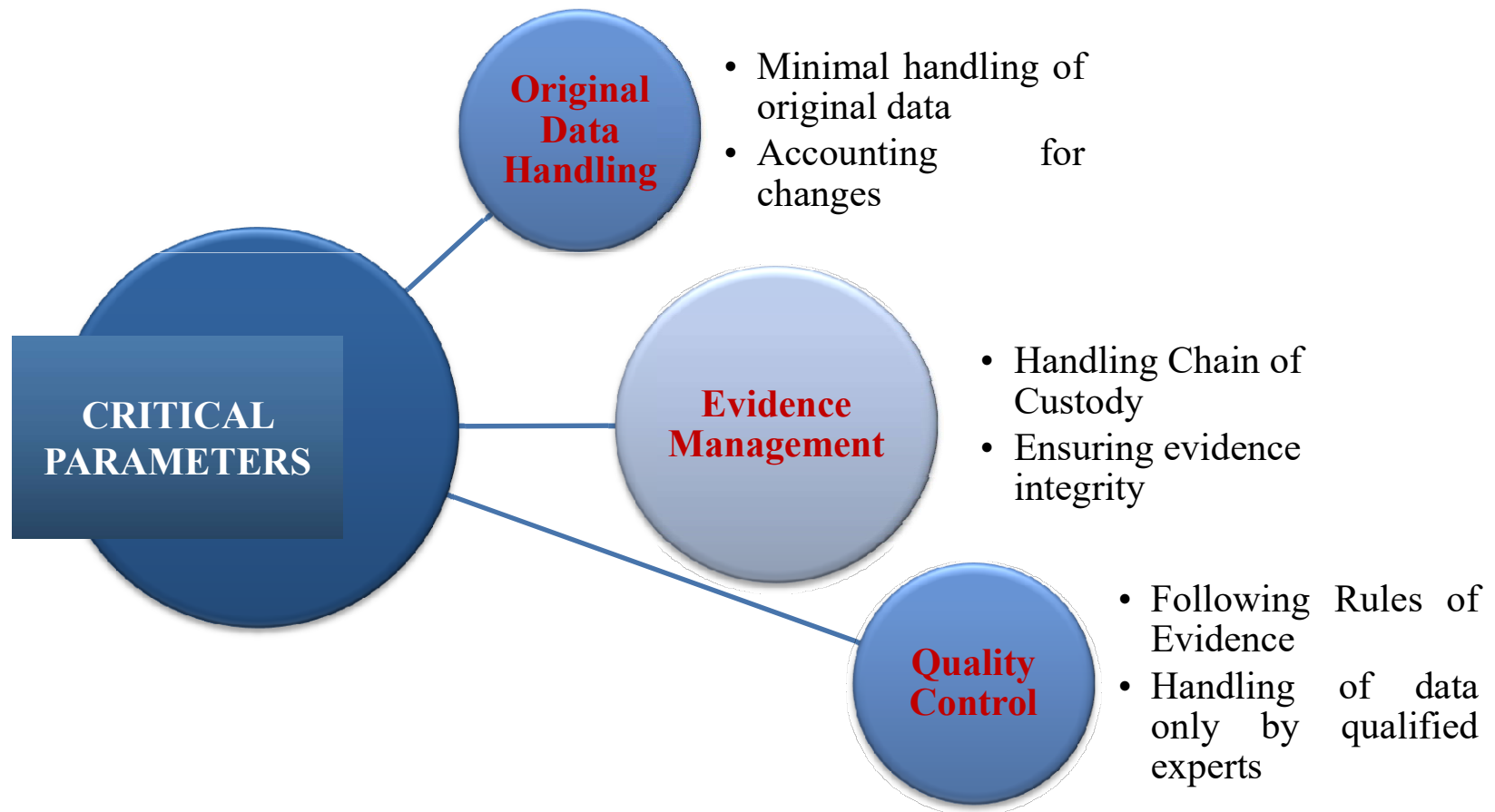**Figure 5-6** 4-mm DAT and DLT tape drives

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Evidence Retention and Media Storage Needs

- To help maintain the chain of custody for digital evidence
  - Restrict access to lab and evidence storage area
- Lab should have a sign-in roster for all visitors
  - Maintain logs for a period based on legal requirements
- You might need to retain evidence indefinitely
  - Check with your local prosecuting attorney's office or state laws to make sure you're in compliance

Resource Challenges – Handling Data

mputer forensics is the equivalent of surveying a crime scene or performing an auto

a victim"

(James Borek, 2001)

Original Data Handling

- Minimal handling of original data
- Accounting for changes

CRITICAL PARAMETERS

Evidence Management

- Handling Chain of Custody
- Ensuring evidence integrity

Quality Control

- Following Rules of Evidence
- Handling of data only by qualified experts

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