

# Week 2 – IT Contingency Planning

Mandy Hopkins, IT Specialist Division of Local Government and School Accountability



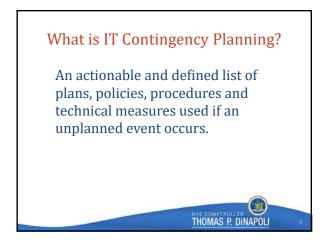
### Agenda

- Review of IT Governance
- What is IT Contingency Planning?
- Unplanned IT Disruptions
- IT Contingency Planning Best Practices
- Preventive Controls That Could Be Included as Part of an IT Contingency Plan

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- Business Continuity Plans and Disaster Recovery Plans
- Backup Procedures
- Backup Procedure Best Practices
- Resources
- Sneak Peek Week 3









## Preventive Controls That Could Be Included as Part of an IT Contingency Plan

- Uninterruptable power supplies (UPS)
- Generators to provide long-term backup power
- Fire suppression systems and fire/smoke detectors
- Plastic tarps to be unrolled over IT equipment to protect it from water
- Heat-resistant/waterproof containers for backup media
- Least-privilege access controls

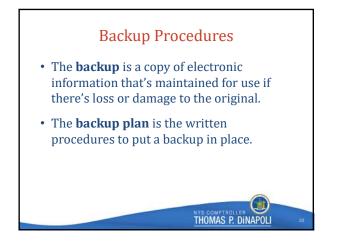
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# Business Continuity Plans and Disaster Recovery Plans

**Business Continuity Plan (BCP)** focuses on keeping organizations operational **during** an unplanned event to limit the downtime (ensuring business survival and ability to remain operational during unusual/unfavorable situations).

**Disaster Recovery Plan (DRP)** focuses on restoring data access and IT infrastructure **after** an unplanned event, in an effort to reduce overall risk such as data or infrastructure loss (returning operations to normal as quickly as possible).

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### **Backup Procedure Best Practices**

- Develop a data backup policy.
- Back up at regular intervals.
- Verify data is backed up and can be restored.
- Store backups offsite and offline in a secure, environmentally-controlled location and consider the following:
  - Geography of the facility
  - Accessibility for data retrieval
  - Security capabilities
  - Environment (preventative controls)
  - Costs associated



