INFORMATION TECHNOLOGY
DISASTER RECOVERY PLAN

December 7, 2015
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INTRODUCTION

Berry College’s Office for Information Technology (OIT) maintains a written disaster recovery plan that includes all of our information resources to minimize the effects of a disaster and allow the college to either maintain or quickly resume mission-critical functions. This disaster recovery plan serves as the guide for Berry College OIT management and staff in the recovery and restoration of the information technology systems operated by OIT in the event that a disaster destroys all or part of those systems.

PLAN OVERVIEW

The disaster recovery plan is comprised of a number of sections that document resources and procedures to be used in the event that a disaster occurs at OIT data centers located in the Telecom Shop and/or the offsite colocation facility. Each supported application or platform has a section containing specific recovery procedures. There are also sections that document the personnel that will be needed to perform the recovery tasks and an organizational structure for the recovery process. This plan will be updated on a regular basis as changes to the computing and networking systems are made. Due to the very sensitive nature of the information contained in the full plan, it is confidential and not published. This is an abbreviated version which can be published on the web and shared with others.

HISTORY

For more than a century, Berry College has emphasized the importance of a comprehensive and balanced education that unites a challenging academic program with opportunities for meaningful work experience, spiritual and moral growth, and significant service to others. This commitment to providing a firsthand educational experience – expressed as “Head, Heart and Hands” by college founder Martha Berry – remains just as relevant today as it was when the institution was founded in 1902.

Nationally recognized for both quality and value, Berry is an independent, coeducational college of approximately 2,100 students that offers exceptional undergraduate degree programs in the sciences, humanities, arts and social sciences, as well as undergraduate and master’s level opportunities in business and teacher education. Students are encouraged to enrich their academic studies through participation in one of the nation’s premier on-campus work experience program, and more than 90% take advantage of this unique opportunity to gain valuable real-world experience prior to graduation.

PLAN APPROVAL

Berry College – Mount Berry GA, Version 1.0, dated December 7, 2015 has been reviewed and approved.

_________________________________  ______________________
Penny Evans-Plants, Chief Information Officer  Date
DISASTER DECLARATION

PERSONNEL AUTHORIZED TO DECLARE A DISASTER OR RESUME NORMAL OPERATIONS

The following employees of Berry College are authorized to declare an Information Technology Systems Disaster and also signal a resumption of normal processing:

<table>
<thead>
<tr>
<th>Name</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stephen Briggs</td>
<td>President</td>
</tr>
<tr>
<td>Brian Erb</td>
<td>Vice President for Finance</td>
</tr>
<tr>
<td>Penny Evans-Plants</td>
<td>Chief Information Officer</td>
</tr>
</tbody>
</table>

PLAN ACTIVATION

This plan will be activated in response to internal or external threats to the Information Technology Systems of Berry College. Internal threats could include fire, bomb threat, loss of power or other utility or other incidents that threaten the staff and/or the facility. External threats include events that put the facility in danger. Examples might include severe weather or a disruptive incident in the community. Once a threat has been confirmed, the plan management team will assess the situation and initiate the plan if necessary.

RESUMPTION OF NORMAL OPERATIONS

Once the threat has passed, equipment has been repaired or replaced, or a new data center has been built and stocked, the disaster recovery team will assess the situation, declare the disaster over and resume normal operations.
PLAN OVERVIEW, OBJECTIVES, AND DECISIONS

PLAN OVERVIEW

The primary focus of this document is to provide a plan to respond to a disaster that destroys or severely cripples the college's computer systems operated by the Office for Information Technology. The intent is to restore operations as quickly as possible with the latest and most up-to-date data available. This plan is designed to reduce the number of decisions which must be made when, and if, a disaster occurs.

This plan is a “living document.” It is the responsibility of everyone involved in Berry's disaster recovery efforts to ensure that the plan remains current. When you are aware of any changes to personnel, hardware, software, vendors or any other item documented in the plan, please bring them to the attention of the plan administrator.

PLAN OBJECTIVES

The overall objectives of this plan are to protect Berry’s computing resources and employees, to safeguard the vital records of which the Office for Information Technology is the custodian, and to guarantee the continued availability of essential IT services. The role of this plan is to document the procedures for responding to a disaster that involves the data center and OIT services.

A disaster is defined as the occurrence of any event that causes a significant disruption in IT capabilities. This plan assumes the most severe disaster, the kind that requires moving computing resources to another location. Less severe disasters are controlled at the appropriate management level as a part of the total plan.

The basic approach, general assumptions, and possible sequence of events that need to be followed are stated in the plan. It outlines specific preparations prior to a disaster and emergency procedures immediately after a disaster. The plan is a roadmap from disaster to recovery. Due to the nature of the disaster, the steps outlined may be skipped or performed in a different sequence. The general approach is to make the plan as threat-independent as possible. This means that it should be functional regardless of what type of disaster occurs.

For the recovery process to be effective, the plan is organized around a team concept. Each team has specific duties and responsibilities once the decision is made to invoke the disaster recovery mode. The leader of each team and their alternates are key OIT and other college personnel. With such a small IT staff, the use of distinct teams with separate responsibilities is not practical as would be in larger organizations. Rather, IT staff will be assigned to multiple teams with specific assignments made according to knowledge, experience and availability. It is also assumed vendors and knowledgeable personnel from Berry will be actively enlisted to help during a recovery situation.
The plan represents a dynamic process that will be kept current through updates, testing, and reviews. As recommendations are completed or as new areas of concern are recognized, the plan will be revised to reflect the current IT environment.

**DISASTER RECOVERY PHASES**

The disaster recovery process consists of four phases. They are:

**Phase 1: Disaster Assessment**
The disaster assessment phase lasts from the inception of the disaster until it is under control and the extent of the damage can be assessed. Cooperation with local emergency services personnel is critical.

**Phase 2: Disaster Recovery Activation**
When the decision is made to move primary processing to another location, this phase begins. The Disaster Recovery Management Team will assemble at the command center and call upon team members to perform their assigned tasks. The most important function is to fully restore operations at a suitable location and resume normal functions. Once normal operations are established at the alternate location, Phase 2 is complete.

**Phase 3: Alternate Site/Data Center Rebuild Phase**
This phase involves continuing operations at the alternate location. In addition, the process of restoring the primary site will be performed.

**Phase 4: Return Home**
This phase involves the reactivation of the primary data center at either the original or possibly a new location. The activation of this site does not have to be as rushed as the activation of the alternate recovery center. At the end of this phase, a thorough review of the disaster recovery process should be taken. Any deficiencies in this plan can be corrected by updating the plan.

**KEY DISASTER RECOVERY ACTIVITIES**

Declaring a disaster means:

1. Activating the recovery plan
2. Notifying team leaders
3. Notifying key management contacts
4. Redirecting voice service to an alternate location
5. Securing a new location for the data center
6. Ordering and configuring replacement equipment
7. Reconfiguring the network
8. Reinstalling software and data
9. Keeping management informed
10. Keeping users informed
11. Keeping the public informed

DISASTER DECISION TREE

<table>
<thead>
<tr>
<th>EVENT</th>
<th>DECISION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Data Center destroyed</td>
<td>Activate disaster recovery plan</td>
</tr>
<tr>
<td>Data Center unusable for MORE than 2 days</td>
<td>Activate disaster recovery plan</td>
</tr>
<tr>
<td>Data Center unusable for 2 days or LESS</td>
<td>Management Team and Facilities Team perform an assessment</td>
</tr>
<tr>
<td>Network down</td>
<td>Management Team and Tech Support Team perform an assessment</td>
</tr>
<tr>
<td>Berry College Phone Service Down (IntelePeer)</td>
<td>Management Team and Tech Support Team perform an assessment</td>
</tr>
<tr>
<td>Environmental problems (A/C, power, etc.)</td>
<td>Management Team and Tech Support Team perform an assessment</td>
</tr>
</tbody>
</table>
DECISION MAKING FOR A DATA CENTER DISASTER

1. Incident Occurs
2. Determine if Incident is Real
   - Yes: Switch call handling to alternate location
   - No: Recovery Plan not activated
3. Determine incident scope and assess damage
   - Small scope with no to minimal damage: Return and begin cleanup and minor repairs
   - Moderate to large scope or moderate to severe damage: Activate alternate site and recovery team
4. Notify management and employees (and students if affected)
5. Assess Damage
   - Can return <30 days: Complete repairs while operating at alternate site
   - Return >30 days: Locate to new facility
   - Order supplies and equipment
   - Operate at new facility while completing repairs
6. Evaluation Process
RECOVERY TIME OBJECTIVES (RTO)

The Recovery Time Objectives reflect the estimated recovery times based on current configurations and operations. While a detailed listing of applications and their associated Recovery Tiers is listed later in this document, here is a general overview of the RTO’s.

<table>
<thead>
<tr>
<th>NETWORK SERVICE</th>
<th>RECOVERY GOAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>LAN (Local Area Network)</td>
<td>7-10 days estimate</td>
</tr>
<tr>
<td>WAN (Wide Area Network)</td>
<td>30 days estimate</td>
</tr>
<tr>
<td>Internet</td>
<td>30 days estimate</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>APPLICATION RECOVERY TIER</th>
<th>RECOVERY GOAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tier 0 Applications</td>
<td>Immediately after WAN/Internet restore</td>
</tr>
<tr>
<td>Tier 1 Applications</td>
<td>5 days after LAN/WAN restore</td>
</tr>
<tr>
<td>Tier 2 Applications</td>
<td>10 days after LAN/WAN restore</td>
</tr>
<tr>
<td>Tier 3 Applications</td>
<td>15 days after LAN/WAN restore</td>
</tr>
<tr>
<td>Tier 4 Applications</td>
<td>When Possible</td>
</tr>
</tbody>
</table>

These RTO’s should be considered best-case estimates. Berry does have equipment located offsite running production applications. On-premise applications would be restored to this location per tier assignment.

Berry does not have computer hardware available for recovery nor contracts or agreements in place to obtain hardware on a priority basis to replace equipment destroyed. In the event of a disaster, hardware would have to be located, purchased, shipped, installed, and configured before any software or data could be installed or restored to original location. The availability of the relevant equipment and shipping times could vary greatly depending on the timing and scope of the disaster. Performance of applications during this period would be affected.

The network services and application recovery times are additive in case of a disaster that affects servers and the LAN. However, a WAN disaster takes significantly longer to recover from due to the installation schedules of telecommunications providers. During this delay, server and LAN recovery could be completed so the WAN recovery time would be the only time applicable to the RTO.
RECOVERY POINT OBJECTIVES (RPO)

Recovery Point Objective (RPO) reflects the estimated point in time to which recovery would be made based on current configurations and operations. The exact recovery point for each server will vary due to the time when backup takes place and when the disaster occurs. Below are general guidelines for the different types of DR data protection.

<table>
<thead>
<tr>
<th>DATA PROTECTION TYPE</th>
<th>RECOVERY POINT (AGE OF DATA)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Replication</td>
<td>Under development, RPO to be determined following the deployment of the remote Storage Area Network (SAN) unit at an offsite location such as Parker Colocation server room</td>
</tr>
<tr>
<td>Backup</td>
<td>Up to 7 Days from disaster period</td>
</tr>
</tbody>
</table>
THE DISASTER RECOVERY COORDINATOR

The function of the Disaster Recovery Coordinator is vitally important to maintaining the plan in a consistent state of readiness. The primary responsibilities of the Disaster Recovery Plan Coordinator are as follows:

- Distribution of the Disaster Recovery Plan
- Training the Disaster Recovery Teams
- Testing of the Disaster Recovery Plan
- Evaluation of the Disaster Recovery Plan Tests
- Review, change and update the Disaster Recovery Plan

In a disaster situation, the Disaster Recovery Plan Coordinator will:

- Facilitate communication between technical and non-technical staff
- Act as a Project Manager to coordinate the efforts of
  - Technical staff
  - Business staff
  - Vendors
  - College Management
  - Other personnel as needed

The Information Technology Disaster Recovery Coordinator for Berry College is Penny Evans-Plants, Chief Information Officer. The alternate Information Technology Disaster Recovery Coordinator is Tom Hocut, Assistant CIO and Director of Network Operations.

THE COMMAND CENTER & VITAL RECORDS

A Command Center must be established when a disaster is declared. The Command Center serves as a focal point for all recovery operations. It also provides temporary office space for team members.

The Command Center should be stocked with adequate supplies including:

- Paper
- Pens/pencils
- Trash can(s)
- Post-it notes
- White boards, markers, erasers
- Telephones
- Fax machine(s)
- Printer/Copier(s)
- Computers
• Chargers for mobile devices
• A small tool kit
• Other items that the team leaders might need to head the recovery effort

COMPANIES THAT HAVE SUCCESSFULLY RECOVERED FROM A DISASTER HAVE STATED THAT THE EXISTENCE OF A COMMAND CENTER WAS A KEY INGREDIENT IN THEIR RECOVERY EFFORTS.

COMMAND CENTER LOCATIONS

PRIMARY LOCATION
If the disaster event permits the location of the Command Center in Hermann Hall, then the OIT Conference Room and other available office space will be utilized.

SECONDARY LOCATION
If the evacuation from Hermann Hall is required, the Command Center will be located in the Telecom shop (if available) and Parker Colocation facility at 704 Broad Street, Rome, GA (if not).

VITAL RECORDS RETRIEVAL
Offsite Storage Location for disaster recovery plans, software licenses and server installation media:

Parker Colocation Facility
CONTACT: David Parker
704 Broad St
Rome, GA 30161
800-872-7537 (office/mobile)

OVERVIEW OF WHAT IS STORED OFFSITE

1. A current copy of this disaster recovery plan (also available online in Office 365).
2. Copies of install disks for all relevant software and critical software/operating system licenses. These should be stored electronically rather than relying on Internet-downloadable versions. When the software is needed the same version of the software used may not be available on the Internet, or there may be Internet issues that could negatively affect large downloads or may significantly slow down the recovery process.
DISASTER RECOVERY TEAM

DISASTER RECOVERY MANAGEMENT TEAM (MGMT)

Sub-teams: Administration and Public Relations

GENERAL RESPONSIBILITIES

TEAM OVERVIEW
The IT Disaster Recovery Management Team is responsible for the overall coordination of the disaster recovery process from an Information Technology systems perspective. The other team leaders report to this team during a disaster. In addition to their management activities, members of this team will have administrative, supply, transportation, and public relations responsibilities during a disaster. Each of these responsibilities should be headed by a member of the MGMT team.

GENERAL ACTIVITIES
• Assess the damage and, if necessary, declare a disaster (damage assessment forms are included in this plan)
• Establish the command center
• Coordinate efforts of all teams
• Contact the college insurance provider
• Secure financial backing for the recovery effort
• Approve all actions that were not preplanned
• Give strategic direction
• Be the liaison to upper management
• Expedite matters through all bureaucracy
• Provide counseling to those employees that request or require it

AFTER THE DISASTER
• Make recommendations on how the disaster recovery plan can be improved
• Put recommended changes in place where possible to prevent or reduce the impact of a disaster

ADMINISTRATION RESPONSIBILITIES (ADMIN)

ADMINISTRATION OVERVIEW
The administration function provides support services to all other teams. This includes the hiring of temporary help or the reassignment of other clerical personnel.

ACTIVITIES BY PHASE

PROCEDURES DURING DISASTER RECOVERY ACTIVATION PHASE
• Notify all vendors and delivery services of change of address

PROCEDURES DURING ALL PHASES
• Process expense reports
• Purchase supplies required by the teams at the alternate site
• Work with Purchasing Office to order replacement supplies and expedite shipments
• Account for the recovery costs
• Handle personnel problems

AFTER THE DISASTER
• Make recommendations on how the disaster recovery plan can be improved

PUBLIC RELATIONS RESPONSIBILITIES (PR)

PUBLIC RELATIONS OVERVIEW
The public relations function will pass appropriate information about the disaster and associated recovery process to the public and to employees. Every effort should be made to give these groups reason to believe that Berry College is doing everything possible to minimize losses and to ensure a quick return to normalcy.

ACTIVITIES BY PHASE

ALL PHASES
• Ensure that employees do not talk to the media
• Control information released to the public and to employees
• Interface with Public Relations or defer to Senior Management
• Publish internal newsletters
• Keep everyone aware of recovery progress

AFTER THE DISASTER
• Make recommendations on how the disaster recovery plan can be improved

MANAGEMENT TEAM CALL CHECKLIST

TEAM LEADER INFORMATION

Containing in full plan.
TECHNICAL SUPPORT TEAM (TECH)

Sub-Teams: Hardware, Software, Network, Operations

HARDWARE RESPONSIBILITIES (HW)

TEAM OVERVIEW
The responsibility of the Hardware Team is to order any necessary equipment for the new site as well as replacement hardware for equipment damaged in the disaster. Responsibilities include installing and configuring the equipment in the new or rebuilt data center. Depending on the age of the damaged hardware, replacement may not be one-for-one. All types of hardware are to be handled, including:

• Servers
• Printers
• Routers, Hubs, Switches
• Workstations
• Environmental systems
• UPS equipment

ACTIVITIES BY PHASE

PROCEDURES DURING DISASTER RECOVERY ACTIVATION PHASE
• Determine scope of damage for servers, network equipment, and workstations
• Inventory equipment in the data center
• Salvage equipment if possible
• Order appropriate equipment and supplies

PROCEDURES DURING REMOTE OPERATION/DATA CENTER REBUILD PHASE
• Set up servers and workstations
• Install software as necessary
• Restore data
• Install additional workstations as they arrive

PROCEDURES DURING RETURN HOME PHASE
• Notify users
• Ensure data is backed up
• Relocate equipment

AFTER THE DISASTER
• Make recommendations on how the disaster recovery plan can be improved
SOFTWARE RESPONSIBILITIES (SW)

TEAM OVERVIEW
The responsibility of the Software Team is to maintain the systems software at the alternate site and reconstruct the system software upon returning to the primary site. In addition, the Software Team will provide technical support to the other teams.

ACTIVITIES BY PHASE

PROCEDURES DURING DISASTER RECOVERY ACTIVATION PHASE
• Provide technical support to the other teams
• Build servers and workstations
• Reinstall and configure systems at the primary/alternate site
• Restore data
• Test the hardware and software
• Work with appropriate vendors to assist in recovery
• Verify that the systems are performing as expected

PROCEDURES DURING REMOTE OPERATION/DATA CENTER REBUILD PHASE
• Provide technical support to the other teams
• Build servers and workstations
• Reinstall and configure systems at the primary site
• Test the hardware and software
• Work with appropriate vendors to assist in recovery
• Verify that the systems are performing as expected

PROCEDURES DURING RETURN HOME PHASE
• Provide technical support to the other teams
• Verify that the system is performing as expected

AFTER THE DISASTER
• Make recommendations on how the disaster recovery plan can be improved

NETWORK RESPONSIBILITIES (NET)

TEAM OVERVIEW
The Network Team is responsible for preparing for voice and data communications to the alternate location data center and restoring voice and data communications at the primary site.

ACTIVITIES BY PHASE

PROCEDURES DURING DISASTER RECOVERY ACTIVATION PHASE
• Determine the requirements for voice and data communications
• Install the network including lines, routers, switches, controllers and other communications equipment at the alternate location data center
• Test the network

**PROCEDURES DURING REMOTE OPERATION/DATA CENTER REBUILD PHASE**

• Operate the backup network
• When the replacement equipment arrives at the primary site, install it

**PROCEDURES DURING RELOCATION HOME PHASE**

• Support the primary site network
• Dismantle the alternate location data center network

**AFTER THE DISASTER**

• Make recommendations on how the disaster recovery plan can be improved

**OPERATIONS RESPONSIBILITIES (OPS)**

**OPERATIONS OVERVIEW**

The Operations responsibilities include the daily operation of computer services and management of all backup files. When a disaster is declared, the team must secure the correct files for transport to the alternate location. Once operations are established at the alternate location, arrangements must be made with an offsite storage service.

**ACTIVITIES BY PHASE**

**PROCEDURES DURING DISASTER RECOVERY ACTIVATION PHASE**

• Inventory and select the correct backup files
• Transport the files to the alternate data center if necessary
• Assist all teams in restoring the production environment at the alternate data center

**PROCEDURES DURING REMOTE OPERATION/DATA CENTER REBUILD PHASE**

• Establish a production schedule at the alternate location
• Run the daily schedule at the alternate location
• Perform system and production backups at the alternate location
• Assist other teams in preparing the primary site
• Establish offsite storage at the alternate location

**PROCEDURES DURING RETURN HOME PHASE**

• Perform system and production backups
• Inventory all backups at the alternate data center
• Transport all files from the alternate data center to the primary site

**AFTER THE DISASTER**

• Make recommendations on how the disaster recovery plan can be improved
TECH SUPPORT TEAM CALL CHECKLIST

TEAM LEADER INFORMATION

*Contains in full plan.*

TEAM MEMBER INFORMATION

*Contains in full plan.*
SEQUENTIAL LIST OF DISASTER RECOVERY TASKS

This section presents a sequential list of tasks to be performed during the four phases of a disaster. The list suggests a recommended order. In an actual disaster, some tasks could very well be performed before this list suggests they be performed.

The tasks are numbered as follows. Tasks for phase one begin with an A, phase two tasks begin with a B, phase three with a C and phase four with a D. Task numbers are sequenced by 10. In the team column, the primary team is listed along with the sub-team function. In some instances, multiple teams are responsible for the performance of a task. All teams/sub-teams will be listed in these cases. When a task has been completed, put a check in the X column.

Sometimes, the sequence may change depending on the type of disaster or circumstances at the time. Some tasks are ongoing, that is they span the entire phase or disaster. An example of this is task B180, which states that the Management Team coordinates activities of all teams. Some tasks are contiguous with others in that they can all be performed simultaneously.
## DISASTER ASSESSMENT PHASE

<table>
<thead>
<tr>
<th>TASK NUMBER</th>
<th>PRIOR TASK</th>
<th>DESCRIPTION</th>
<th>TEAMS/SUB-TEAMS</th>
</tr>
</thead>
<tbody>
<tr>
<td>A010</td>
<td></td>
<td>Disaster Recovery Coordinator receives notification</td>
<td>MGMT</td>
</tr>
<tr>
<td>A020</td>
<td></td>
<td>Ensure that those affected by the problem are receiving emergency care</td>
<td>MGMT</td>
</tr>
<tr>
<td>A030</td>
<td>A010</td>
<td>Assemble the Management Team</td>
<td>MGMT</td>
</tr>
<tr>
<td>A040</td>
<td>A030</td>
<td>Assess damage and determine length of outage</td>
<td>MGMT TECH/HW</td>
</tr>
<tr>
<td>A050</td>
<td>A040</td>
<td>Declare Disaster</td>
<td>MGMT</td>
</tr>
<tr>
<td>A060</td>
<td>A040</td>
<td>Make arrangements with Police/Security Firm to secure the damaged area.</td>
<td>MGMT</td>
</tr>
<tr>
<td>A070</td>
<td>A050</td>
<td>Advise upper management of decision</td>
<td>MGMT</td>
</tr>
</tbody>
</table>
## DISASTER RECOVERY ACTIVATION PHASE

<table>
<thead>
<tr>
<th>TASK NUMBER</th>
<th>PRIOR TASK</th>
<th>DESCRIPTION</th>
<th>TEAMS/ SUB-TEAMS</th>
</tr>
</thead>
<tbody>
<tr>
<td>B010</td>
<td>A050</td>
<td>Assemble Disaster Recovery Teams</td>
<td>MGMT</td>
</tr>
<tr>
<td>B020</td>
<td>B010</td>
<td>Activate the Command Center</td>
<td>MGMT</td>
</tr>
<tr>
<td>B030</td>
<td>B020</td>
<td>Notify all Berry College Personnel</td>
<td>MGMT/ADMIN</td>
</tr>
<tr>
<td>B040</td>
<td>B020</td>
<td>Gather offsite storage materials from offsite.</td>
<td>TECH/OPS</td>
</tr>
<tr>
<td>B050</td>
<td>B020</td>
<td>Application leaders will notify Key Users. Provide them with the help desk number</td>
<td>TECH/SW</td>
</tr>
<tr>
<td>B060</td>
<td>B020</td>
<td>Notify Hardware &amp; Supply Vendors</td>
<td>MGMT/ADMIN</td>
</tr>
<tr>
<td>B070</td>
<td>B020</td>
<td>Notify Software Vendors</td>
<td>MGMT/ADMIN</td>
</tr>
<tr>
<td>B080</td>
<td>B020</td>
<td>Notify Insurance / Risk Manager</td>
<td>MGMT/ADMIN</td>
</tr>
<tr>
<td>B090</td>
<td>B020</td>
<td>Reassess the situation</td>
<td>MGMT/ADMIN</td>
</tr>
<tr>
<td>B100</td>
<td>B030</td>
<td>Work with executive management to prepare statements for the media</td>
<td>MGMT/PR</td>
</tr>
<tr>
<td>B110</td>
<td>B100</td>
<td>Determine where to operate an alternate data center</td>
<td>MGMT/MGMT</td>
</tr>
<tr>
<td>B120</td>
<td>B110</td>
<td>Arrange for vendors to deliver equipment to the alternate data center</td>
<td>TECH/HW</td>
</tr>
<tr>
<td>B130</td>
<td>B120</td>
<td>Secure the alternate data center</td>
<td>TECH/HW</td>
</tr>
<tr>
<td>B140</td>
<td>B130</td>
<td>Coordinate arrival of equipment to the alternate data center</td>
<td>TECH/HW</td>
</tr>
<tr>
<td>B150</td>
<td>B130</td>
<td>If necessary, acquire temporary office space</td>
<td>MGMT</td>
</tr>
<tr>
<td>B160</td>
<td>B150</td>
<td>Gather and distribute supplies at the Command Center</td>
<td>MGMT/ADMIN</td>
</tr>
<tr>
<td>B170</td>
<td>B150</td>
<td>Begin assessment of salvageable equipment and supplies</td>
<td>TECH/HW</td>
</tr>
<tr>
<td>B180</td>
<td>B150</td>
<td>Coordinate activities of all teams</td>
<td>MGMT</td>
</tr>
<tr>
<td>TASK NUMBER</td>
<td>PRIOR TASK</td>
<td>DESCRIPTION</td>
<td>TEAMS/SUB-TEAMS</td>
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<tr>
<td>B190</td>
<td>B180</td>
<td>Set up an information desk at the Command Center</td>
<td>TECH/SW</td>
</tr>
<tr>
<td>B200</td>
<td>B170</td>
<td>Pack and bring off-site materials to the alternate data center</td>
<td>TECH/OPS</td>
</tr>
<tr>
<td>B210</td>
<td>B200</td>
<td>Reassess the situation</td>
<td>MGMT</td>
</tr>
<tr>
<td>B220</td>
<td>B200</td>
<td>Notify the Post Office of new address to deliver the mail</td>
<td>MGMT/ADMIN</td>
</tr>
<tr>
<td>B230</td>
<td>B210</td>
<td>Determine what the recovery point will be</td>
<td>TECH/OPS TECH/SW</td>
</tr>
<tr>
<td>B240</td>
<td>B230</td>
<td>Notify Key Users of where the recovery point will be.</td>
<td>TECH/SW</td>
</tr>
<tr>
<td>B250</td>
<td>B240</td>
<td>Make arrangements to process expenses during the disaster</td>
<td>MGMT/ADMIN</td>
</tr>
<tr>
<td>B260</td>
<td>B250</td>
<td>Prepare to receive shipped equipment</td>
<td>TECH/NET</td>
</tr>
<tr>
<td>B280</td>
<td>B270</td>
<td>Restore the Berry College Servers</td>
<td>TECH/OPS TECH/SW</td>
</tr>
<tr>
<td>B290</td>
<td>B280</td>
<td>Boot the Berry College servers</td>
<td>TECH/OPS</td>
</tr>
<tr>
<td>B300</td>
<td>B290</td>
<td>Determine what information remote users will need to dial in to the alternate data center</td>
<td>TECH/NET</td>
</tr>
<tr>
<td>B310</td>
<td>B300</td>
<td>Establish Communications from alternate data center to alternate work area</td>
<td>TECH/NET</td>
</tr>
<tr>
<td>B330</td>
<td>B320</td>
<td>Test operating system</td>
<td>TECH/SW</td>
</tr>
<tr>
<td>B340</td>
<td>B330</td>
<td>Test communications network</td>
<td>TECH/NET</td>
</tr>
<tr>
<td>B350</td>
<td>B340</td>
<td>Test remote dial in</td>
<td>TECH/NET</td>
</tr>
<tr>
<td>B360</td>
<td>B350</td>
<td>Begin restoration of application and user data</td>
<td>TECH/OPS TECH/SW</td>
</tr>
<tr>
<td>B370</td>
<td>B360</td>
<td>Test applications</td>
<td>TECH/SW</td>
</tr>
<tr>
<td>B380</td>
<td>B370</td>
<td>Provide reports to appropriate users</td>
<td>MGMT</td>
</tr>
<tr>
<td>TASK NUMBER</td>
<td>PRIOR TASK</td>
<td>DESCRIPTION</td>
<td>TEAMS/ SUB-TEAMS</td>
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</tr>
<tr>
<td>B390</td>
<td>B380</td>
<td>Determine what other information users require</td>
<td>TECH/SW</td>
</tr>
<tr>
<td>B400</td>
<td>B390</td>
<td>Reassess the situation</td>
<td>MGMT</td>
</tr>
<tr>
<td>B410</td>
<td>B400</td>
<td>Establish an operating schedule</td>
<td>TECH/SW, MGMT</td>
</tr>
<tr>
<td>B420</td>
<td>B410</td>
<td>Notify users of system availability</td>
<td>TECH/SW</td>
</tr>
<tr>
<td>B430</td>
<td>B420</td>
<td>Begin processing</td>
<td>TECH/OPS</td>
</tr>
<tr>
<td>B440</td>
<td>B430</td>
<td>Determine who else needs to go to the alternate data center</td>
<td>MGMT</td>
</tr>
<tr>
<td>B450</td>
<td>B250</td>
<td>Take a complete inventory of the damaged facility</td>
<td>TECH/HW</td>
</tr>
<tr>
<td>B460</td>
<td>Ongoing</td>
<td>Provide counseling to employees that require or request it</td>
<td>MGMT</td>
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</tbody>
</table>
### ALTERNATE SITE OPERATION / DATA CENTER REBUILD PHASE

<table>
<thead>
<tr>
<th>TASK NUMBER</th>
<th>PRIOR TASK</th>
<th>DESCRIPTION</th>
<th>TEAMS/ SUB-TEAMS</th>
</tr>
</thead>
<tbody>
<tr>
<td>C010</td>
<td>ON-GOING</td>
<td>Maintain control over disaster recovery expenses</td>
<td>MGMT/ADMIN</td>
</tr>
<tr>
<td>C020</td>
<td>B450</td>
<td>Establish system and application backup procedures</td>
<td>TECH/OPS, TECH/SW</td>
</tr>
<tr>
<td>C030</td>
<td>B450</td>
<td>Establish report distribution procedures</td>
<td>TECH/OPS</td>
</tr>
<tr>
<td>C040</td>
<td>C020</td>
<td>Arrange for an offsite storage facility at the alternate data center</td>
<td>TECH/OPS</td>
</tr>
<tr>
<td>C050</td>
<td>C040</td>
<td>Order communications equipment and hardware</td>
<td>FACIL/HW</td>
</tr>
<tr>
<td>C060</td>
<td>C050</td>
<td>Determine if a new permanent operating site is required</td>
<td>TECH/HW, MGMT</td>
</tr>
<tr>
<td>C070</td>
<td>B450</td>
<td>If necessary, establish a schedule to process all applications</td>
<td>TECH/SW, MGMT</td>
</tr>
<tr>
<td>C080</td>
<td>C070</td>
<td>If necessary, notify users of processing schedule</td>
<td>TECH/SW</td>
</tr>
<tr>
<td>C090</td>
<td>C080</td>
<td>If necessary, begin processing all applications</td>
<td>TECH/OPS</td>
</tr>
<tr>
<td>C100</td>
<td>C060</td>
<td>Construct or repair data center</td>
<td>TECH/HW, MGMT</td>
</tr>
<tr>
<td>C110</td>
<td>C100</td>
<td>Install equipment as it arrives</td>
<td>TECH/HW, TECH/NET</td>
</tr>
<tr>
<td>C120</td>
<td>Ongoing</td>
<td>Provide counseling to employees that require or request it</td>
<td>MGMT</td>
</tr>
</tbody>
</table>
## RETURN HOME PHASE

<table>
<thead>
<tr>
<th>TASK NUMBER</th>
<th>PRIOR TASK</th>
<th>DESCRIPTION</th>
<th>TEAMS/SUB-TEAMS</th>
</tr>
</thead>
<tbody>
<tr>
<td>D010</td>
<td>C110</td>
<td>Determine appropriate date to resume processing at permanent data center</td>
<td>MGMT</td>
</tr>
<tr>
<td>D020</td>
<td>D010</td>
<td>Complete processing and take final backups (make two copies)</td>
<td>TECH/SW</td>
</tr>
<tr>
<td>D030</td>
<td>D020</td>
<td>Shut systems down</td>
<td>TECH/W</td>
</tr>
<tr>
<td>D040</td>
<td>D030</td>
<td>Move all equipment to permanent data center</td>
<td>ALL</td>
</tr>
<tr>
<td>D050</td>
<td>D040</td>
<td>Install equipment</td>
<td>ALL</td>
</tr>
<tr>
<td>D060</td>
<td>D050</td>
<td>Test Operating systems and applications</td>
<td>TECH/SW</td>
</tr>
<tr>
<td>D070</td>
<td>D060</td>
<td>Switch communications from the alternate site to permanent data center</td>
<td>TECH/NET</td>
</tr>
<tr>
<td>D080</td>
<td>D060</td>
<td>Arrange to have the rest of the tapes and documentation shipped</td>
<td>TECH/OPS</td>
</tr>
<tr>
<td>D090</td>
<td>D060</td>
<td>Notify Users</td>
<td>TECH/SW</td>
</tr>
<tr>
<td>D100</td>
<td>D080</td>
<td>Resume normal processing</td>
<td>TECH/OPS</td>
</tr>
<tr>
<td>D110</td>
<td>D100</td>
<td>Prepare media statements</td>
<td>MGMT/PR</td>
</tr>
<tr>
<td>D120</td>
<td>D100</td>
<td>Complete final disaster expense reports</td>
<td>MGMT/ADMIN</td>
</tr>
<tr>
<td>D130</td>
<td>Ongoing</td>
<td>Provide counseling to employees that require or request it</td>
<td>MGMT</td>
</tr>
<tr>
<td>D140</td>
<td>D120</td>
<td>Update Disaster Recovery Plan based on lessons learned</td>
<td>MGMT</td>
</tr>
</tbody>
</table>
APPLICATION RECOVERY

APPLICATION RECOVERY PRIORITIES
BERRY COLLEGE’s applications are identified and classified below in priority order. Depending on when the disaster takes place, these priorities may change.

Tier 0 Applications (Hosted Applications - No special Disaster Recovery Plan Needed)

*Contained in full plan.*

Tier 1 Applications (5 days after LAN/WAN restore)

*Contained in full plan.*

Tier 2 Applications (10 days after LAN/WAN restore)

*Contained in full plan.*

Tier 3 Applications (15 days after LAN/WAN restore)

*Contained in full plan.*

Tier 4 Applications (When Possible)

*Contained in full plan.*

SOFTWARE LICENSE KEYS/ACTIVATION CODES

*Contained in full plan.*
APPLICATION DETAILS
APPLICATION SOFTWARE PROFILE

Contained in full plan.
SERVER RECOVERY

SERVER RACK LAYOUT

*Contained in full plan.*

SERVER DETAILS

*Contained in full plan.*

SERVER PROFILE

*Contained in full plan.*
SERVER RECOVERY GENERAL INFORMATION

These procedures outline the steps required to restore any of Berry College’s servers. Recovery for the servers assumes that:

- Good backup data exists and can be retrieved from offsite storage
- Replacement servers will be procured with equal or greater capacity
- Network connectivity will be re-established

A decision must be made as to where the recovery will take place (alternate site, primary location). This decision is not made ahead of time since the specifics of the incident requiring recovery are not known.
SERVER RECOVERY GENERAL TASK CHART
This section is designed to be used to recover any Berry College Server. Some steps are not applicable to all disaster situations.

<table>
<thead>
<tr>
<th>TASK NUMBER</th>
<th>TASK DESCRIPTION</th>
<th>COMPLETED</th>
</tr>
</thead>
<tbody>
<tr>
<td>S010</td>
<td>Assess the damage</td>
<td></td>
</tr>
<tr>
<td>S020</td>
<td>Prioritize servers to recover</td>
<td></td>
</tr>
<tr>
<td>S030</td>
<td>Order replacements for damaged equipment from vendors</td>
<td></td>
</tr>
<tr>
<td>S040</td>
<td>Order appropriate cables, wires and network devices</td>
<td></td>
</tr>
<tr>
<td>S050</td>
<td>Configure hardware as it arrives</td>
<td></td>
</tr>
<tr>
<td>S060</td>
<td>Retrieve the backup hard drive from offsite storage</td>
<td></td>
</tr>
<tr>
<td>S070</td>
<td>Test Server hardware</td>
<td></td>
</tr>
<tr>
<td>S080</td>
<td>Install appropriate operating system on the server. Refer to the server info sheets to install the correct releases</td>
<td></td>
</tr>
<tr>
<td>S090</td>
<td>Install network cards</td>
<td></td>
</tr>
<tr>
<td>S100</td>
<td>Install cables on the server</td>
<td></td>
</tr>
<tr>
<td>S110</td>
<td>Restore backed up data to the available disk drives using Windows Backup</td>
<td></td>
</tr>
<tr>
<td>S120</td>
<td>Connect the servers to the network</td>
<td></td>
</tr>
<tr>
<td>S130</td>
<td>Start applications for user verification</td>
<td></td>
</tr>
<tr>
<td>S140</td>
<td>Contact users and coordinate verification</td>
<td></td>
</tr>
<tr>
<td>S150</td>
<td>Verify user access to network</td>
<td></td>
</tr>
<tr>
<td>S160</td>
<td>Resume normal processing</td>
<td></td>
</tr>
</tbody>
</table>
NETWORK RECOVERY

NETWORK RECOVERY PROCEDURES

*Contained in full plan.*

NETWORK DIAGRAM

*Contained in full plan.*
VOICE RECOVERY AT HERMANN HALL

In a disaster situation at Hermann Hall involving the telephone system, support personnel from Telecom will assist with recovering the VOIP system services and coordinate with the system vendor (Parker and Momentum). In the event of a complete system failure or major damage, the Telecom site will serve as the temporary recovery point for Berry College’s VOIP services for Hermann Hall. Note that this requires network connectivity between the DR recovery site (Parker Colocation) and the Berry campus network. DID routing by the vendor may be necessary.

If the entire VOIP system is lost at Hermann Hall for an extended period of time, all phones services can be rerouted through the local carrier, Momentum, to the DR site at the Berry College Telecom shop. Details are included in this section.

SBC configuration is stored offsite. Back up of voice-mail is made daily to a network file share and backed up offsite nightly to insure up to date information.

PBX EQUIPMENT LISTING

*Contained in full plan.*

VOICE DISASTER DECISION TREE

*Contained in full plan.*

DISASTER RECOVERY PLAN MAINTENANCE

The disaster recovery plan is a "living" document. Failure to keep it current could severely impact Berry College’s ability to successfully recover in the event of a disaster.

Some information contained in the plan is more dynamic than other information. A matrix of events and the recommended maintenance schedule is included in this section. It is important to document changes to the plan and ensure that all copies of the plan are updated. An update log and list of personnel who possess a log are also included in this section.

Changes to the plan could occur more frequently than the time frames listed in the following table. Major hardware upgrades might affect business recovery contracts as well as this plan. Software changes, personnel changes and other changes that affect the plan should be updated as soon as possible, not just when the recommended intervals occur.
## DISASTER RECOVERY PLAN RECOMMENDED MAINTENANCE

<table>
<thead>
<tr>
<th>PERIOD</th>
<th>ACTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Quarterly</td>
<td>Review all job changes and update plan with new personnel assignments</td>
</tr>
<tr>
<td>Quarterly</td>
<td>Have any new applications been implemented? If so, have all disaster recovery implications been addressed?</td>
</tr>
<tr>
<td>Quarterly</td>
<td>Have there been any major changes to existing applications? If so, update the recovery plan accordingly</td>
</tr>
<tr>
<td>Quarterly</td>
<td>Has the hardware configuration changed? If the changes affect your ability to recover, make appropriate changes to the recovery configuration.</td>
</tr>
<tr>
<td>Quarterly</td>
<td>Update the Network Configuration Diagrams</td>
</tr>
<tr>
<td>Quarterly</td>
<td>Visit the off-site storage location and ensure documentation is available and current</td>
</tr>
<tr>
<td>Quarterly</td>
<td>Ensure all team assignments are still valid</td>
</tr>
<tr>
<td>Quarterly</td>
<td>Ensure that all telephone lists are current</td>
</tr>
<tr>
<td>Semiannually</td>
<td>Test the plan and update it based on the results of the test</td>
</tr>
<tr>
<td>Annually</td>
<td>Review the tape retention requirements</td>
</tr>
<tr>
<td>Annually</td>
<td>Review the insurance coverage</td>
</tr>
</tbody>
</table>

## DISASTER RECOVERY PLAN UPDATE LOG

<table>
<thead>
<tr>
<th>PAGE(S) &amp; SECTIONS AFFECTED</th>
<th>DESCRIPTION OF CHANGE</th>
<th>DATE</th>
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<tbody>
<tr>
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</tbody>
</table>
## DISASTER RECOVERY PLAN DISTRIBUTION LIST

<table>
<thead>
<tr>
<th>NAME</th>
<th>ENTIRE BOOK OR CHAPTERS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Offsite Storage</td>
<td>Entire</td>
</tr>
</tbody>
</table>
TRAINING THE DISASTER RECOVERY TEAM

The Disaster Recovery Coordinator is responsible for the coordination of training relating to the disaster recovery plan. The purpose of this training is twofold:

- To train recovery team participants who are required to execute plan segments in the event of a disaster.
- To train Berry College management and key employees in disaster prevention and awareness and the need for disaster recovery planning.

The training of Berry College personnel in disaster recovery planning benefits and objectives is crucial. A Disaster Recovery Plan must have the continued support from Berry College’s personnel to ensure future effective participation in plan testing and updating. As discussed later, it is not solely the responsibility of the Disaster Recovery Coordinator to initiate updates to the disaster recovery plan. All personnel must be aware of the basic recovery strategy; how the plan provides for rapid recovery of their information technology systems support structure; and how the plans effectiveness may be compromised without notification to the Disaster Recovery Coordinator as their business operations evolve and expand significantly.

It is the responsibility of each recovery team participant to fully read and comprehend the entire plan, with specific emphasis on their role and responsibilities as part of the recovery team. On-going training of the recovery team participants will continue through plan tests and review of the plan contents and updates provided by the Disaster Recovery Coordinator.

DISASTER RECOVERY TRAINING LOG

<table>
<thead>
<tr>
<th>NAME</th>
<th>SIGNATURE</th>
<th>DATE</th>
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<tbody>
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</tbody>
</table>
TESTING THE DISASTER RECOVERY PLAN

The Disaster Recovery Coordinator is responsible for testing of the disaster recovery plan at least annually to ensure the viability of the plan. On an on-going basis this frequency appears to be adequate considering the systems involved. However, special tests are to be given consideration whenever there has been a major revision to the plan or significant changes in the software, hardware or data communications have occurred.

The objectives of testing the disaster recovery plan are as follows:

- Simulate the conditions of an ACTUAL Business Recovery situation.
- Determine the feasibility of the recovery process
- Identify deficiencies in the existing procedures
- Test the completeness of the business recovery information stored at the Offsite Storage Location
- Train members of the disaster recovery teams

The initial test of the plan will be in the form of a structured walk-through and should occur within two months of the disaster recovery plan’s acceptance. Subsequent tests should be to the extent determined by the Disaster Recovery Coordinator that are cost effective and meet the benefits and objectives desired.

SAMPLE RECOVERY TEST AGENDA

1. What is the PURPOSE of the test?
2. What are the test OBJECTIVES?
3. How will the successful achievement of these objectives be measured?
4. At the conclusion of the test, collect test measurements from all participants.
5. Evaluate the test results. Determine if the test was successful or not.
6. Determine the implications of the test results. Does success for this test imply success in all recovery scenarios?
7. Update the plan based on results of the test.

RECOVERY TEST HISTORY

<table>
<thead>
<tr>
<th>DATE</th>
<th>TYPE</th>
<th>OBJECTIVE</th>
<th>RESULTS</th>
</tr>
</thead>
<tbody>
<tr>
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</tbody>
</table>

Page 38 of 47  Information Technology Disaster Recovery Plan – Confidential  December 7, 2015
### SAMPLE RECOVERY TEST PLAN

**TEST DATE** ______________________  **TEST #** ______________________

**TEST OBJECTIVES:**

1. _____________________________________________________________

2. _____________________________________________________________

3. _____________________________________________________________

<table>
<thead>
<tr>
<th>TASK NUMBER</th>
<th>TASK DESCRIPTION</th>
<th>COMPLETED</th>
</tr>
</thead>
<tbody>
<tr>
<td>T010</td>
<td>Determine appropriate test date</td>
<td></td>
</tr>
<tr>
<td>T020</td>
<td>Schedule a test date</td>
<td></td>
</tr>
<tr>
<td>T030</td>
<td>Meet and plan preliminary test criteria and goals</td>
<td></td>
</tr>
<tr>
<td>T040</td>
<td>Determine who will be participating in the test</td>
<td></td>
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<tr>
<td>T050</td>
<td>Meet with entire test team to discuss goals and objectives</td>
<td></td>
</tr>
<tr>
<td>T060</td>
<td>Determine hardware requirements</td>
<td></td>
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<tr>
<td>T070</td>
<td>Determine software requirements</td>
<td></td>
</tr>
<tr>
<td>T080</td>
<td>Determine printing requirements</td>
<td></td>
</tr>
<tr>
<td>T090</td>
<td>Determine network requirements</td>
<td></td>
</tr>
<tr>
<td>T100</td>
<td>Determine what other documentation needs to be brought to the test location</td>
<td></td>
</tr>
<tr>
<td>T110</td>
<td>If necessary, call vendors with licensing dependent products and get required information to run products on the test systems</td>
<td></td>
</tr>
<tr>
<td>T130</td>
<td>Get network specific information</td>
<td></td>
</tr>
<tr>
<td>T140</td>
<td>Final meeting to review plans</td>
<td></td>
</tr>
<tr>
<td>TASK NUMBER</td>
<td>TASK DESCRIPTION</td>
<td>COMPLETED</td>
</tr>
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</tr>
<tr>
<td>T150</td>
<td>Perform test following procedures in the test script</td>
<td></td>
</tr>
<tr>
<td>T160</td>
<td>Conduct post-test debriefing before leaving test site</td>
<td></td>
</tr>
<tr>
<td>T170</td>
<td>Remove data from test system disk drives</td>
<td></td>
</tr>
<tr>
<td>T180</td>
<td>Destroy confidential information</td>
<td></td>
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<tr>
<td>T190</td>
<td>Gather documentation from all test teams</td>
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<tr>
<td>T200</td>
<td>Complete documenting the test</td>
<td></td>
</tr>
<tr>
<td>T210</td>
<td>Meet with test participants and analyze the test</td>
<td></td>
</tr>
<tr>
<td>T220</td>
<td>Update disaster recovery manual based on test results</td>
<td></td>
</tr>
</tbody>
</table>
# DISASTER RECOVERY PLAN TESTING FORMS

**TEST SCRIPT TEST DATE:** __/__/___ **TEST #** ___

<table>
<thead>
<tr>
<th>ESTIMATED START</th>
<th>ACTUAL START</th>
<th>FINISH</th>
<th>STEP DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
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</tbody>
</table>
TEST EVALUATION

TEST DATE _______ TEST # _____

The Disaster Recovery Coordinator is responsible for coordinating the review and analysis of the test results and updating the plan accordingly.

The test participants should document the test results immediately after the plan test. The Disaster Recovery Coordinator reviews the test results with the teams during a postmortem meeting to discuss weaknesses and resolve problem areas. The Disaster Recovery Coordinator makes changes and updates to the plan accordingly.

1. Were the test objectives met?

-------------------------------------------------------------------------------------------------------------------------

-------------------------------------------------------------------------------------------------------------------------

-------------------------------------------------------------------------------------------------------------------------

2. What problems were encountered?

-------------------------------------------------------------------------------------------------------------------------

-------------------------------------------------------------------------------------------------------------------------

-------------------------------------------------------------------------------------------------------------------------
3. During the test, were there any deviations from the plan?

4. Were all of the materials used during the test retrieved from an offsite source? If not, what items from the data center or on-site offices were used?
PERSONNEL LISTING

This list should contain the contact information for all Berry College employees who are involved in the disaster recovery activities. The list should include employees from several departments including OIT, Administration, Security, Maintenance, etc.

Similar information is contained in each team’s section. This listing provides all of the contact information on one page.

*Contained in full plan.*

VENDOR LISTING

*Contained in full plan.*

DAMAGE ASSESSMENT AND SALVAGE ACTIVITIES

DAMAGE ASSESSMENT AND SALVAGE CHECKLIST

This section contains checklists to help the Facilities and Hardware teams assess the damage to the systems and data center. Once the assessment is complete, notify the Management Team of the results of the assessment, and coordinate salvage of equipment where possible.

1) Assess the requirement for physical security to minimize possible injury to unauthorized persons entering the facility and eliminate the potential for vandalism to Berry College assets.

   Initials: __________ Date: __________ Time: __________

2) Utilizing the following checklist as a guideline, survey the systems and data center facilities to assess damage upon notification from the Management Team of the need for damage assessment.

   a) Building
      
      i) Exterior
      
      ii) Interior

   b) Computer Room

      i) Walls
      
      ii) Ceiling
      
      iii) Floor

   c) Environmental/Control
i) Electrical
   (1) UPS
   (2) Transformers
   (3) Emergency/Building
ii) HVAC
   (1) Air Handling
   (2) Air Conditioning
d) Fire Suppression
e) Data Center Contents
   i) Servers
   ii) External Disk Drives
   iii) Tape Backup
   iv) Network Cabling
   v) Communications
   vi) Workstations
   vii) Other Equipment
   viii) Spare Parts
   ix) Documentation

The purpose of the above checklist is to provide a guide in the review and assessment of damage following a disaster to Berry College facilities, the network and/or the data center. In using the checklist, the Damage Assessment and Salvage Teams must consider:

a) Is the area safe for employees or vendors to work in?
b) Can the equipment under examination function, and if so, at what percent of normal capacity?
c) What must be done to recover damaged equipment?
d) How long will it take to repair or replace the damaged equipment?

   Initials: _________  Date: _________  Time: _________

3) Using the damage assessment, determine the estimated time to recover based on the following guidelines.

   i) Level I Minimal damage to facility and/or equipment. Estimated time to complete repairs is less than 4 hours.
ii) Level II Moderate damage to facility and/or equipment. Estimated time to complete repairs is between 4 hours and 2 business days.

iii) Level III Extensive damage to facility and/or equipment. Estimate time to complete repairs is greater than 2 business days.

Initials: __________    Date: __________    Time: __________

4) Identify equipment, documentation or spare parts which are immediately salvageable or in need of repair.

Initials: __________    Date: __________    Time: __________

5) Verbally notify the Management Team of survey, assessment of damage, estimated time to recover from damage and potentially salvageable equipment.

Initials: __________    Date: __________    Time: __________

6) Document findings from the survey and damage assessment.

Initials: __________    Date: __________    Time: __________

7) Attend the recovery briefing as scheduled by the Disaster Recovery Coordinator to apprise Recovery Team members of findings.

Initials: __________    Date: __________    Time: __________

8) A log is prepared and maintained to record all salvageable equipment and is disposition and location.

Initials: __________    Date: __________    Time: __________

UNDER NO CIRCUMSTANCES SHOULD THE DAMAGE ASSESSMENT OR SALVAGE TEAM MAKE ANY PUBLIC STATEMENTS REGARDING THE DISASTER, CAUSE OR EFFECT ON THE OPERATION AT BERRY COLLEGE.

DAMAGE ASSESSMENT AND SALVAGE LOG

<table>
<thead>
<tr>
<th>AREA OR EQUIPMENT ASSESSED</th>
<th>TYPE OF DAMAGE</th>
<th>COMMENTS</th>
<th>DAYS TO REPAIR OR “SCRAP”</th>
<th>INITIALS</th>
</tr>
</thead>
</table>

**EMERGENCY TELEPHONE NUMBERS**

*Contained in full plan.*