



State of Louisiana
Division of Administration
Office of Information Technology

November 24, 2008

Office of Information Technology

Information Technology Bulletin 08-09

Subject: Louisiana Tech Data Replication / Backup Center (DRC)

Pursuant to LAC 4:XV.501, et seq., the Office of Information Technology (OIT) is notifying agencies about availability of a data replication and backup center located at Louisiana Tech effective January 7, 2009.

Purpose:

Data replication and backup of mission-critical data

Location:

Davison Hall, Louisiana Tech University

Availability date:

January 7, 2009

Data Connectivity:

OTM-provided long haul Ethernet between Baton Rouge and La Tech
LONI for Higher Education facilities with access to LONI

Facility Specifics:

Floor space in the facility is very limited. There are thirty eight (38) rack positions available for data replication/backup devices. A portion of these positions has been reserved for agencies within the executive branch. The remaining positions will be available to higher education institutions on a first-come, first-serve basis. All cabling will be in cable trays above the racks.

- This facility supports any manufacturer that meets the space, power and BTU requirements noted below.
- Rack size is limited to standard width and 40" deep with meshed front and back doors. Agencies must purchase their own rack or arrange for space in another agency's rack.
- Power input to rack is 208/3phase AC. Racks must utilize APC 7864 PDU's (on state contract) that output 208/single phase AC to the device. The PDU's can be managed remotely, thus providing the ability to power cycle the device remotely. Most all rack-

mounted devices utilize input voltage autosensing and work more efficiently with higher voltages. Requests for 120AC will be reviewed on a case-by-case basis.

- There is no generator backup for DRC equipment. LaTech currently utilizes City of Ruston as the primary power source and LaTech turbine plant as the backup source. Due to the equipment density and the resultant heat generated, the existing generator is used to support the AC system. However, there is adequate UPS capability to enable a soft shutdown of the rack devices should the power drop for an extended time.
- Due to the small size of the facility, and density of equipment, the limiting factor for each rack is **HEAT**. Therefore, each rack is limited to generating no more than 11,000 BTU/hour. This factor will determine the amount of devices that can be installed in each rack.
- The facility is secured by card access and utilizes 24/7 video monitoring. Authorized agency personnel will be issued HID access devices that are very similar in size to the devices carried on a keychain that are used to lock/unlock car doors remotely. Agency staff will also be able to monitor the video remotely from their data center location. Video cameras are located in the access hall and equipment room. The access control system will be administered by OIT in Baton Rouge and LaTech personnel.

Costs for DRC use:

There are two (2) recurring costs associated with use of the DRC.

The first cost is for floor space, HVAC, security and ½ FTE that will perform device and network troubleshooting, change hard drives, etc.

- \$153/month per device installed in the rack (this cost is based on 4 devices per rack that generate 11,000 BTU/hour combined). The maximum monthly charge per rack will be \$612. If an agency has 2 devices that generate 11,000 BTU/hr combine, the charge will be \$612 per month.

The second cost is for data connectivity between the user data center and LaTech

- Users located in the Capitol Park Network in Baton Rouge will get the first 6 Mb of bandwidth at no cost. Additional bandwidth will be billed at \$140/month per Mb.
- If you are outside the Capitol Park Network, the cost is \$170/month per Mb.
- Users with access to LONI will be required to make their own arrangements regarding costs, etc.

There is a one-time \$50 charge for connecting the power pigtail from the junction box adjacent the cable tray to the rack. Users must furnish the appropriate power plug for their rack.

Process to request space in DRC:

All requests for use of DRC must be approved by OIT. The OIT Website at <http://oit.louisiana.gov/metadot/index.pl?id=2879;isa=Category;op=show> includes a .pdf form which the requesting agency must complete and forward to OIT for processing.

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