



Minnesota  
STATE COLLEGES  
& UNIVERSITIES

# Infrastructure Steering Committee

## MEETING NOTES

March 14, 2007

12:30 P.M. – 3:30 P.M.

Conference Room 3362 Wells Fargo Place, St. Paul

**NEXT MEETING:** **Date:** July 11, 2007

**Time:** 1:00 P.M. – 3:30 P.M.

**Location:** Conference Room 3304, Wells Fargo Place, St. Paul

**ATTENDEES:** Jim Dierich, Ken Ries, Ken Brumbaugh, Mike Janke, Dan Harber  
and Penny Dickhudt

**ITV:** Clint Forseth, Phil Thorson, Sara , Jan Doebbert and Mohammed Elhindi

**Approval of Meeting Notes from January 10th, 2007 Meeting** - Approved.

### 1. Wide Area Network:

The OET is making progress on the big MPLS project. They have the northwest corner of the state well-converted, as well as the bits and pieces, throughout the rest of the state. They still have the northeast and the southeast corners of the states where they have a lot of work left to do. They also have a lot of work cleaning up loose ends. They should be done in June. So for every week on their schedule, it took a month. As far as we know, the MPLS network works, it is stable and we have resolved all issues.

We are held up on other projects because of this project:

- Upgrading Campus Routers: We cannot employ some because of the conversion and the rest because of an ILS bug. That bug is allegedly resolved and we are trying to get somebody to test it. We think we can get all of the new routers out before school starts in the Fall.
- We have not started talking about bandwidth increases for next year yet, but we are assuming that we will be increasing it. This year, we were able to increase it a lot because it was inexpensive; next year, we probably will not be so lucky.
- Backbone Redundancy Project: We are defining what we mean by redundancy; there is a charter out for this project.
- By May, OET should have the results of an RFP for circuits of bandwidth for every place where there is a state facility to the nearest hub. This year, they will select more than one vendor for each area of the state.

### 2. Data Center Update: Jim Dierich

- The University of Minnesota was preparing to install additional air handling equipment before next Summer. We have already had to work around upgrades to their electrical infrastructure. Hopefully, this will be the last upgrade. They are doubling their external chilling capacity and they will install 2 additional air handlers within the data center. They are starting to populate that area with servers from other entities within the university. CLA moved a bunch of servers onto the opposite end of the room already.

- Mike Janke and staff have worked hard to keep D2L up and running. They brought in temporary cooling and such so we were never completely down. We shut down about  $\frac{3}{4}$  of the infrastructure and we moved our entire monitoring and management infrastructure to a box that used very little power and it went just as fast so we did not move it back. It will get done on time and it should be the last disruption of service at that site.
- We have a bunch of new equipment at the data center. It is all installed and we are starting to deploy it. We had an opportunity to upgrade some of our SAN equipment to the latest model at a good price so we did that as well, so now our HP San technology is at the same level. They are all EPA 8000s which is easier to deploy rather than synchronizing old and new technologies. As a part of the down time, we moved the GS1280 from site A to site B to make room for one of the air handlers that will be installed to add extra cooling capacity to the facility.

### 3. Enterprise Work Plan: Jim Dierich

- The DR Physical Site project is underway. We have a signed agreement and we had a kick-off meeting with the project team from OET. We exchanged information with that staff and we physically will start building our secondary data center which will function as a DR and production site. We will use a lot of space for failover. If WBOB experiences an outage, we should have enough redundancy at the COB site to carry all of our Enterprise Services.
- At this time, the next step is to build the network infrastructure so we can hook everything up and start communicating between networks through WBOB. We have 5 ES80s up as our ISRS failover capability. We are in a good position

### 4. Identity Management Update: Ken Brumbaugh

The name for our public identifier will be “Star ID”.

The application taxonomy needs to be re-done. Early May is a good time to do that. We have arranged for some web programming assistance in April. We would like to start requiring the number and type of users on applications to get a sense of usage, and also whether it is developed or purchased. And where is it maintained, onsite or offsite? We do not want too many additions, or one-time need items. We would like to get feedback in March, complete programming in April and the project finished by May.

We may have to pause to verify that what we are doing meets campus needs. Mark Peterson will generate a list about why we are doing Identity Management from a campus perspective. We will prioritize it. But there may be different sets of priorities. We need to get the end-users more involved. In order to get everyone’s input, Ken is suggesting that we form 4 groups that work together in prioritizing:

- The Office of the Chancellor
  - 4-year institutions
  - 2-year institutions with programmers and database people/capability to do middleware work
  - 2-year institutions without middleware capabilities.
- Vendor Consultation Sessions: Oracle is coming at the end of March to give us consulting on ID Management. We may do something similar with Sun Microsystems and Microsoft as well.

## 5. Spam:

The Office of Enterprise Technology offers an inexpensive service but it cannot be tailored to each campus. If some campuses have vendor products that they like, maybe we should try opening up negotiations with vendors to help other campuses find services. Maybe we could get some usage data from the Office of Enterprise Technology.

- Are there any initiatives within the OOC that this may fall under?

If the campuses were to go through the selection process, it would be difficult for MnSCU to offer a service to aid in the selection.

**Action Item:** Phil Thorson will bring a summary of his anti-spam software review to the next meeting.

Meeting was adjourned at 2:00 P.M.

Meeting notes submitted by Smitha Pennepalli, [smitha.pennepalli@csu.mnscu.edu](mailto:smitha.pennepalli@csu.mnscu.edu).

## ITEMS FOR DISCUSSION AT NEXT MEETING:

- Updates on current projects
- Review of anti-spam software