UNM IT Research Technologies Advisory Board  
Wednesday, February 19, 2020  
Scholes Hall, Roberts Room  
9:00 am – 10:30 am

Chair: Patrick Bridges  
Attendees: Tito Busani, Sylvia Celedon-Pattichis, Mark Emmons, Chris Lippitt, Laura Putz,  
Mark Servilla, Mary Tsiongas, Tom Turner, Elisha Allen, Duane Arruti, Grace Faustino, Jeff  
Gassaway, Brian Pietrewicz

Guest Presenters: NA

Notes: Deirdre Markham

1. Approval of January 2020 Minutes – approved

2. Action Item Follow-up  
   a. Electronic Research Evaluation Committee  
      Grace advised the committee has met and reviewed the charge. They will complete a  
      needs assessment of Cayuse to outline its features, identify what UNM needs in a  
      electronic research administration tool and identify any gaps. After completing the  
      needs assessment, they will determine if evaluation of other systems is warranted.  
      Duane asked if there are faculty senate representatives on the committee. There are  
      faculty representatives, but not specifically from the faculty senate.  

      **Action Item:** Grace will reach out to Dave Hanson and Trenia Walker to request  
      faculty senate participation.

      Outcomes of the needs assessment will be presented to this board in March. June  
      2021 is the deadline for completing the proposal. There are 3 possible likely options:  
      - Cayuse would be retained if with reconfiguration and/or adding features, it  
        can meet identified needs.
      - Adopt another piece of software such as the HSC system Click. This option  
        would not necessarily require an RFP.
      - A RFP purchasing process would be requested. If this is the recommended  
        option, this group would help review RFP responses.

      Going to RFP or moving to Click will be a significant purchase that will need to be  
      presented to the Regents before moving forward with those options. Sylvia  
      commented that Cayuse has more capabilities than are currently provided to all users.  
      Since only OSP has access to these features, are all reviewers familiar with the true  
      capabilities of Cayuse? Patrick commented the assessment is intended to understand  
      all capabilities in Cayuse and determine if it could meet UNM’s needs if certain  
      permissions are granted and/or configurations are adjusted.

      **Action Item:** Let Patrick and Grace know if there are others who should have input  
      into the review process.
b. Summary Research Maturity Model (Patrick/Grace)

Grace, Patrick and Mark completed the strategy tool sections that were not completed at the January meeting. Overall, we have strong pockets of research computing and data approaches, but institutional deployment, support and aligned policy is lacking. Computed coverage overall is 38% which is probably in line with comparable universities. The next phase is to meet with working groups to adjust the weighting so it reflects the items that are relevant to UNM. This will adjust the overall scores to highlight areas of importance for UNM. There are 5 ratings: no service, at risk, lights on, basic economy, and premium. For most items, UNM is “lights on.”

**Action Item:** For access to the tool, committee members should contact Patrick and Grace.

Laura asked if this assessment aligned with the DOD scoring rubric. Patrick advised they are not directly related but some questions and responses could be pulled out to align with the DOD rubric.

c. Feedback from working group chairs on filing out the Maturity Model

Jeff advised the Cybersecurity Model rubric has officially been released and is similar to drafts. The working group is focusing on level 3 certification for most areas; for more mature areas such as COSMIAC, it may make sense to seek level 4 certification. Level 4 certification has a competitive advantage relative to the cost. He will keep this committee updated as the committee’s work progresses. Grace asked if units will apply for certification. Jeff advised they will determine the approach once they have details about what options are available and have determined if the University will pursue umbrella certification and/or unit certification.

d. Draft Security Policy Update – Jeff Gassaway

The stakeholder group met yesterday and pending feedback from Karl Benedict on the draft, it will be distributed to the appropriate advisory boards for review.

4. Decision Items:

a. Walk Through Strategic Tab of Campus Research Computing Capability Tool (Patrick, Grace)

Patrick, Mark and Karl are working on this. Patrick suggested they send results to the committee for review offline. The committee agreed to the approach suggested.

5. Data Center Outage

Brian advised the UPS, universal power source, is at end-of-life and needs to be replaced. It will require 2-3 days of downtime to do the work. Stakeholders around campus helped select Memorial Day weekend dates to complete the work. The work is planned for Saturday, 5/23. Sunday, 5/24, and Monday, 5/25 will be used to ensure all systems are online. Broad communications will be sent to students, faculty, and staff.

6. Phishing Mitigation

Duane commented that the previous minutes provide good context for the approach. An update on the issues related to phishing is that 15-20 students were successfully phished, and their student account direct deposit information was compromised. It was caught
quickly enough that any funds removed from their accounts were returned. The Dean of Students sent all students an e-mail on how to identify and avoid phishing attempts. Additional communications through UCAM and other outlets are forthcoming.

There is an immediate need to implement MFA in front of student bursar accounts; this is planned for mid-April. There are discussions if this should be rolled out more broadly. It is already in place for benefits and direct deposit. Brian is leading the evaluation of tools. Brian commented on the strategy given the primary issue was identified as coming from phished accounts. Given the diversity of accounts, putting MFA in front of e-mail is complicated so it will be more effective to protect sensitive data within services. For e-mail, they are working on single sign-on and as services behind the single sign-on implement MFA, this will significantly address phishing issues. They are looking at Azure MFA which is already paid for. Duo which is used for benefits and direct deposit is very expensive. Azure MFA also provides more flexibility and features relative to Duo.

Jeff is working with the appropriate offices to provide all current students, faculty, and staff phishing mitigation training this year. Going forward, it will be provided to new students, faculty, and staff.

7. Open Floor/New Business
Mathematica Licenses (Tom Turner)
Tom Turner discussed a request from Terry Loring in Math and Stats for a Mathematica license. Tito advised Physics and Electrical Engineering would be interested. Mark reminded the committee that we have a rubric for evaluating these requests. Elisha advised the Software Store Tuan is developing could provide information about existing licenses and opportunities for bulk purchasing of licenses. This will be available in mid-April.

**Action Item:** Grace will ask Angela to pull a report on existing licenses to guide next steps.

Meeting Adjourned – 9:55 am

**Next Meeting:** *March 18, 2020, 9-10:30 am, Scholes Hall, Roberts Room*