MINUTES
LOUISIANA OPTICAL NETWORK INITIATIVE
MANAGEMENT COUNCIL

April 12, 2016

The Louisiana Optical Network Initiative (LONI) Management Council (MC) met at

1:04 p.m., Tuesday, April 12, 2016, in the Board Conference Room, 6st Floor, Claiborne Building, Baton

Rouge, LA. Dr. Michael Stubblefield asked for a roll call. A roll call was taken and a quorum was

established. Dr. Stubblefield welcomed Ms. Sherri McConnell, Chief Economic Development Advisor,

to the Board.

Council Members Present: **Council Members Absent:**

Mike Asoodeh   Richard Howze
Ram Ramanujam   Thomas Lovince
Don Ballard for Beth Courtney   Tony Moore
Ric Simmons for Brian Nichols   Eric Setz
Gene Fields
Terrence Ginn for Commissioner of H.E.
Lonnie Leger
Leo Tran for Charlie McMahon
Ramgopal Mettu via telephone
Gary Canzoneri for Bettina Owens
Ramu Ramachandran
Michael Stubblefield
Sherri McConnell
Rachel Vincent-Finley

Guests:

Tim Deeves, Tulane   Patrick Kennan, LSU/LONI
Hunter Ely, Tulane Security   Ethan Bateman, LSU/LONI
Charles Broome, UL Lafayette   Seung Jong Park, LSU CCT
Sam White, LSU   Micheal Walters, LSUHSC
Angela Mastainich, BoR   Carl Brandt, P&N Tech
Lance Neal, BoR   John Caffery, LONI
Brett Brock, CISCO   Gary Mumphrey, LONI

<u>APPROVAL OF JANUARY 12, 2016 MINUTES</u>

Dr. Michael Stubblefield asked if everyone had reviewed the minutes that were emailed to them. Mr. Leger provided a few corrections to the minutes. Motion to approve the minutes with corrections was made by Mr. Leger, seconded by Dr. Ramanujam, without objection the minutes were approved.

<u>CHIEF ADVISOR REPORTS/RECOMMENDATIONS</u>

Dr. Stubblefield recognized Mr. Gene Fields, Chief Technology Advisor, for a report. Mr. Fields asked the Security Team to give a report on the latest things that have been done. Mr. Charles Broome, representing the Security Working Group with Mr. Hunter Ely, stated that they went to UNO to visit with their community member to discover more about their challenges. They learned a lot and were able to share some of their techniques and strategies with them. They were able to better understand their community together. They are in the process of designing some standards for network communications. They are also creating a survey instrument to enable the LONI community to better understand together what the business objectives of each institutions, what they have and also be able to point out common business services, such as, Cloud service providers, that could be at risk of going through an outage. By taking this information they hope to assimilate that to the LONI NOC (Network Operation Center) and, also, the community at-large to monitor for these types of situations. He further stated they are still trying to define the standards to present to the technical group.

Mr. Fields asked Tim Deeves, Tulane, and Mike Walters, LSUHSC, to share a synopsis of the telephone call the Technical Working Group had on Friday. Mr. Deeves stated that on their first call they had officer election. He was elected Chair, Mike Walters is Vice Chair, and John Caffery is Secretary. He stated they have a long list of topics on their agenda. He thinks the Technical Working Group has a lot of interest and looks forward to making some progress. Mr. Leger stated that with the conversations that have taken place and the energy that each member institutions and the leadership of the working groups, he sees problem solving with the connectivity. He thinks the next phase is, how to bring the community together to solve the community's needs and initiatives that are specific to the institutions. He is very encouraged by the transformation that has gone from connecting everyone physically to now connecting organizationally. He further stated that in the past ten years, we moved from a paper process, or an offline process, to handle some capability of our electronic business needs. He really sees that to be gone. He thinks this shows LONI as being connected as a community, not just physically and understanding what the community's needs are, that will drive us by helping the CIOs and research faculty respond differently than we have in the first ten years. He complimented all campus representatives for making LONI successful and thereby making the campuses successful, as well.

Dr. Stubblefield recognized Dr. Ramanujam to give the Chief Scientist report. Dr. Ramanujam went over the LONI HPC Resource Allocations and the Research Data and Security Issues provided in his report to everyone at the meeting. He suggested an additional person to be added to the Security Group to assist with HIPPA Laws, he suggested someone from the Health Science Center. Mr. Leger stated that the Health Science Centers have a representative on the Security Working Group. Additionally, Dr. Ramanujam stated that the large NSF Track One ESPCOR awards are made to the Board of Regents. The Board of Regents is responsible for data management plans and insuring data management availability for research products from NSF Grants. There was previously discussion about what the responsibility is and how to go about it. He feels this is something that needs to be reviewed. He thinks maybe it should be brought up for discussion at the July meeting. Mr. Leger stated that he has had the opportunity to speak with the Sponsored Program Office about that context. Their viewpoint is that when they enter into a subcontract award, based off of EPSCOR, and the researcher that is performing the work specified under the contract, it is that institutions/researchers responsibility for the data management. If the researcher is a Board of Regents employee, then "yes" it would fall under the Board of Regents responsibility. Dr. Ramanujam agreed with that, when it comes to scientific data and results. Mr. Lance Neal of the Board of Regents stated that this should be a conversation at the July meeting. Dr. Ramanujam agreed this could be tabled until the next meeting. Dr. Stubblefield questioned if the award is made to the Board of Regents, is the Regents the official awardee? And, in this example, they are the ones presenting the data management plan. Dr. Ramanujam agreed and stated that we need to get clarification from NSF. Dr. Stubblefield stated that if that is the case, the Board of Regents, assuming that it transfers to other institutions, they will have to requests with the individual data management plan is for the record. We need to get more clarification and make sure the data management is available. We need to make sure it is understood and that Board of Regents is the point of contact for NSF. Dr. Stubblefield stated for Ms. Sherri McConnell's benefit that as the Chief Economic Development Advisor, she will provide input in terms of how LONI can be utilized for community, public, and/or private engagements, and how to get LONI more involved in providing some type of revenue generation, while providing support to our member institutions. He further stated that we do look forward to being engaged, in terms of how we can make this more of a Louisiana tool. She agreed and said that is her goal.

EXECUTIVE DIRECTOR UPDATES

Mr. Leger referred to a couple recommendations and motions in his report. He went over his report and his three motions. Dr. Ramanujam asked if an entity not classified as a "LONI Participant" or "LONI Partner" be called "LONI Affiliate". Mr. Leger agreed. Dr. Ramanujam suggested that the third motion read, "any entity not a LONI Participant, not a LONI Partner, will be classified as a LONI

Affiliate <mark>(either a State-Government Affiliate, Quasi-Government Affiliate, Federal-Government Affiliate or Non-profit Affiliate)</mark> as determined by the Executive Director." Dr. Ramanujam made a motion for this language to amend Dr. Stubblefield's motion. They agreed to take the motions separately. Dr. Asoodeh asked about some of the entities that come to us through Economic Development and others that come to us through different methods than those we discussed. Mr. Leger stated that he looks forward to this as a good problem for LONI, but currently our structure is based on public entities. Mr. Leger further stated that in the past, when a participant needs a "dot com", case specific, "CPRA" the Coastal Protection Restoration Authority, needed a contractor to be engaged in the coastal modeling, then that contractor was allowed to gain access to the network, but specifically and only for that reason. LONI mapped their connection, only to be used for Queen Bee. Dr. Asoodeh stated that was for one of LONI's affiliates. He is asking about, what if a company was brought to us and they joined and did all the research we have discussed, the data mining, will they be charged or provided free? Mr. Leger stated that just on the surface of discussion, they would fall into a new category we would have to look into the cost recovery. Dr. Asoodeh asked if that category would be created later. Mr. Leger agreed, stating that at that point we would have an actual example of any possible contribution on the State side to be associated with the program, of some kind, or not. Maybe we would have an industry partner, that would like access to Queen Bee, for example. This is what Mr. Trahan had mentioned with a Japanese city example. He thinks that will be a motion to come later. Dr. Ramanujam asked if we would like to classify it as a LONI For-Profit Affiliate or Paying Affiliate. Mr. Leger is open to the motion. Dr. Asoodeh stated that he thought this would be included in the Affiliates in the motion in parenthesis. Mr. Leger stated it was not, in his opinion, maybe in a future motion. Mr. Ric Simmons asked if such classification violate any acceptable use from our internet providers. Mr. Leger state it would not from the internet providers, this classification will help us because we have to start maintaining a service list for member benefits that we are a part of from a national consortium perspective. We will have to be able to classify different entities of different capabilities, because their rate structure will either be different or allowed to participate, or will not be allowed to participate, based on their classification. Dr. Stubblefield asked if there were any additional questions or comments. He stated that we would take the motions individually.

On the first, as restated, motion by Dr. Ramanujam, seconded by Dr. Asoodeh, with no objection, motion passed. On the LONI Partner designation, motion by Dr. Ramanujam, seconded by Mr. Ginn, with no objection, motion passed. The LONI Affiliate, which includes, state government, quasi-government, local government, federal government, or non-profit affiliates, as amended to include a LONI Affiliate definition with all of those highlighted, within the parenthesis, motion by Dr. Ramanujam, seconded by Dr. Asoodeh, with no objection, motion passed.

Dr. Stubblefield expressed concern about the LONI for Profit designation, but that can be handled in the future, since they will be handled on a case-by-case basis. Mr. Leger stated that the resulting classification of that may be a one-line statement, "each entity will be an individual case basis decision". Dr. Stubblefield further stated that he thinks all will be taken under consideration because they will need to be defined on individual cases.

Network Update

Mr. Leger mentioned the collaboration with the Board of Regents on the Laser Interferometer Gravitational-Wave Observatory (LIGO) press release. He stated that the research support function that was started in the beginning of the year, LeYan from Sam White's team really helped him formulate those kinds of awareness campaigns. They have done the annual publication from the Consortium, the Quilt, called the Quilt Circle. He will get that out to members as soon as it has been published. He mentioned that LONI has a Facebook Page. They are doing primarily NSF, but they are expanding it to other notifications of solicitations and general news in the scientific community. Mr. Leger asked Mr. Sam White if he wanted to highlight anything on the HPC Update. Mr. White noted that at the end of May will be the 5th Annual Parallel Programming Workshop and has announced it to the User Groups, so that all that use the system will know about it. They will be having NVidia to give GPU training. Mr. Leger then asked Mr. John Caffery if there is anything in the Network Update that he wanted to highlight. Mr. Caffery mentioned the effort they are putting in to move AT&T's new network and how they are using that to also collapse their Cisco's into Juniper's in an effort to decommission those. Mr. Leger recognized Mr. Ethan Bateman, the NOC manager at LSU, and stated that the outage report would be provided to Board. Mr. Bateman stated there are a few things he would like to note to the Council. He stated that AT&T had a large number of unknown outages, probably the departmentalization of AT&T. He further stated that scheduled maintenance was the highest for LONI, which is what we want. Also, user error was a little high, they need to look into it and get it down. For the customers, in general, power was an issue, he mentioned LCTCS and power tends to be an issue. Dr. Asoodeh asked about the attack at ULM. Mr. Leger stated that it was a target attack, mostly to one computer on campus. It was from several sources. He has not heard from ULM about their forensics of the device, what was the protocol, other than to know that it is a machine regularly gets reimaged as its policy. It is, kind of like, public domain device, so it has to be reimaged regularly and he is not sure if it was caught out of cycle, but that is all he knows. Mr. Fields stated that most campuses are very empathetic about it. Mr. Leger stated that the flow was probably 10 gig, it maxed out the Level 3 connection. ULM is in the process of going to 10 gig, so LONIs 10 gig that Mr. Leger is carrying to them with their 1 gig on the campus, was relatively catastrophic for the approximately one hour they had disruption. They were able to locate the offending

destination, contacted ULM by text, they confirmed what LONI saw, and they took the node out of service and that helped mitigate the situation or did someone run out of bit coins.

Mr. Fields complimented Mr. Bateman and his team in the dramatic improvement in notifications and they really appreciate that help. Mr. Leger stated they are working on the response, operationally, and they will be sharing with information with the different subgroups. One thing they did in this case, was to create a Web Ex session that all potential parties and stakeholders could come in and out of the call. They had their network team, the NOC team, and then at the appropriate time, ULM joined. They were able to converse about what was happening and sharing what was happening. They created a collaborative space and that will become common in their responses, depending on the severity. This specific attack came up in three waves, the attack occurred and they weren't sure if the person was just fishing and stopped, then ramped up again, then all on deck again, and responding to the flow that is seen. He felt this was a really good tool that they used on that event. There are so many instrumentations that LONI has access and the schools have access to as participants, but it still requires the human, even with all the technology available to integrate, extrapolate, and correlate what the technology we use to respond.

OLD BUSINESS/NEW BUSINESS

Dr. Stubblefield mentioned that the terms of office are coming up in the next few months and notices have been sent to the appointing authorities. He asked if there was any additional business to come before the Council, there was no response.

ADJOURNMENT

There being no further business to come before LONI Management Council, Dr. Stubblefield asked for a motion for adjournment. On a motion by Mr. Leger, seconded by Dr. Ramanujam, the meeting was adjourned at 1:59 p.m.