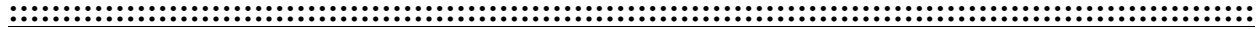


Quarterly Cybersecurity BILT Meeting April 23, 2014
Meeting Minutes



Welcome, Introductions, and Agenda Review by John Sands

Rio Program Recognition

Rio Salado's certificates and degrees were reviewed and recognized by the BILT.

Industry Trends

John Sands – I want to open up the conversation about the industry trends. I would like to start off the conversation by discussing the growing need to incorporate SCADA and control systems into our Cybersecurity programs. Most of you may have remembered that we are in the process of developing eight labs that will consist of multiple vendor controllers. We will create a lab in each domain for addressing things like instant response, and so on. I think Tom was pretty comprehensive in describing the need for SCADA and controls sector of CyberSecurity. Are there any other trends that you want to discuss?

Tom B – Here in New Mexico, we are part of an effort that is called The Western Cyber Exchange, which is aimed at Cybersecurity. Right now, New Mexico, Colorado, and Wyoming are parts of this effort. We have also partnered with some grants in the states of WA, MI, and CA. There is a real need to develop systems and protocol to inform people in an automatic sense of a security risk. They don't want to send out a security risk on a blog but they have no system in place to grade the response to a certain person. When the situation rises, they will have a better response system in place. How that will affect the grant, is a good question. We have been talking to Homeland Security about how to set up this system. There may be some possibility for training students and possibly grants to get students prepared for this.

John Sands – One of the things that we've been trying to do in our curriculum is trying to bring back the standards to the ISUS standards. We are actually bringing it to a level now where students know how to bring up the controls and notify people of a situation where a security risk is detected. I think it is valuable that there will be a certification process.

Tom Holms – Part of this issue does apply directly to the power industry as well. If somebody is in a particular utility, even at the substation level, you want automated responses which can isolate that so you don't allow the spreading of a virus. I think the power industry wants something that will allow quick responses to something that might be a threat.

Lance Larson – I just want to know how much are you talking about the next framework for cybersecurity now that February has been released, and adopted by industry?

John Sands – I can answer if no other partner wants to jump in on that topic. As far as the workforce framework, I was very active in getting feedback when it was being developed. I think it is important to bring this into the classroom for our students. This gives us a gateway of seeing what jobs are out there, the skills needed, and what we need to incorporate into our programs to prepare students for this. They break it up into subgroups within categories. *Review of Workforce Framework* Are any other partners using this?

Ann Beheler – We are using the same thing at Collin to a lesser extent because our program is much smaller. We are following Moraine’s lead with this and I wouldn’t see why anybody wouldn’t be as well.

John Sands – We talked about the need for Cybersecurity professionals to be a part of the strategic planning part in my class last night. We talked about how we address the strength and weaknesses in an organization. I think this is becoming a big need and we need to prepare students in that aspect.

Tom Holms – Do the partners work with each other to find internships for the students?

John Sands – We (Moraine) had an event recently where our student success team spoke to students to prepare them for internships.

Ann Beheler –In terms of coordinating across the consortium, I don’t think we have done that quite as well as we should. I think that could an opportunity for our last year. We would love some help; would you like to help us?

Tom Holms – I could possibly help you. I brought that up because the Los Alamos National Laboratory hires 1,500 student interns every year and they have a huge cybersecurity aspect to it. You also have a lot of people that are part of your advisory boards that might be able to help in that aspect as well.

Ann Beheler – I am willing to connect with you to get all that setup. Do they have need for two-year students? We also have a sustainability plan so I hope that our work does not end exactly on September 30th 2015.

Tom Holms – Yes, we have taken plenty of two-year students in the past. We have some students even come for just a semester.

Ann – Fantastic. I’ll email you and get more information, and I will forward the information over to the rest of the leads.

John Sands – That is great. Speaking of internships, we got an email this week from one of our largest supporters for internship placement. They stated that they are so happy with our students that they are considering doubling our internship numbers.

Ann Beheler – That is excellent news!

Update of Curriculum Development (For All Partners)

John Sands –We wanted to provide every partner with an update on the curriculum development or additional development by the consortium because the grant is wrapping up on this phase. I’ll give every

partner a chance to present what they need to. I'll start since the partners are taking what we've done at Moraine Valley and implementing at least portions of it. We have two initiatives that we're still working on. One is that we're putting together a final course that roughly maps to the CompTia CASP certification. We chose the CompTia CASP because of the more rigorous requirements of the CSSIP; most of our students wouldn't qualify. We're just about done with the content component for the final course, and we'll be starting the labs for that soon for the Security Management course. The other thing that we're putting together is a series of labs for the SCATA area; we're going to have eight labs for that. We received a small grant from a consortium in Illinois for \$60,000 to buy some basic equipment, which will include servers and basic devices up. We'll be developing some basic labs that we could expose our students that will address instant response, updating, testing the integrity of a system, and so on. It is not a full comprehensive SCATA Security program but I think it will be good. When students leave our school, they will at least have a feel for what SCATA Systems are all about. We have reached out to a few representatives from Excelon and Dell Secure Works to take a look at what we're doing and feedback so we know we're giving our students all the information they will need. Besides that, we're wrapping up everything else with curriculum; most of the labs are close to being finalized. With the coursework, we have gone through a few different formats for our curriculum but we've not determined how this is going to be published, and we're all working on converting the curriculum to that format.

Ann Beheler – I will also like to mention that part of the reason why we've had trouble getting things finalized and online is because of issues with NTER. NTER is sponsored by the Department of Energy, and unfortunately we have had issue and issue with them. Rio Salado has worked with them to get everything straightened out, and finally getting things online. It just has not been as easy as we all originally thought. The courses will be available online and open source as Rio Salado gets them courses on them.

New Uses of Virtual Environment (For All Partners)

John Sands – We will have the SCATA environment behind our virtual lab and I can't wait to show you all this summer. Students will be able to go in and access the PLCs and the collection center; all of those things will be in a virtual environment. Ultimately, we will be able to teach that course in a distance environment if we choose to do that. We have quite a few PLC vendors that are excited about this because even they will be able to take some courses to update skills.

Student Completion & Student Placement (For All Partners)

Ann Beheler – We're having a lot of success with students finishing certificates and degrees overall. We have had one job fair and another coming up. It seems to be a little slow at getting the ball rolling but it is going very well now. We will have actual numbers once we complete our quarterly report within a week or so. We have had a lot of updates from students that have received new employment making a lot more money than even I expected.

John Sands – I just want to add that over the last year, we put together a Cybersecurity cohort. We had 26 students in that cohort and 21 of them successfully complete the program.

Meeting adjourned 10:08am