Trusted CI Cybersecurity Workshop
September 16, 2022

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Start time*	Title and description	Presenter(s)
1:30	**Welcome and session overview**	**Jim Basney,** Trusted CI Director
1:40	**JASON advisory report on Cybersecurity at NSF Major Facilities** In 2021, the National Science Foundation (NSF) asked the JASON advisory group to provide advice and recommendations to NSF regarding its oversight of cybersecurity at its major facilities. Specifically, NSF was interested in whether the current practice of providing wide flexibility to its facility managers remained appropriate, or whether more specific requirements should be levied in an era of increasing ransomware attacks as well as potential foreign interference in NSF-funded research. A primary conclusion of the report was that the wide range of capabilities and infrastructure at NSF's major facilities argued against a "one size fits all" set of detailed	**Jim Ulvestad,** NSF Senior Advisor for Research Security

	requirements. However, better coordination and more regular oversight of cybersecurity by NSF was recommended. This presentation will briefly summarize the JASON study, the resulting recommendations to NSF, and the status of NSF's response to those recommendations.	
2:10	**Cybersecurity in the Research Infrastructure Guide (RIG)**	**Dr. Robert Beverly,** NSF Program Director
2:40	**Panel: Building Cybersecurity Programs at NSF Major Facilities** During the first half of 2022, Trusted CI led a group engagement of NSF Major Facilities to evaluate their alignment to the Trusted CI Framework: a minimum standard for cybersecurity programs. The inaugural cohort consisted of 6 NSF Major Facilities: GAGE, LIGO, NOIRLab, NRAO, NSO, and OOI. These 6 facilities adopted the Trusted CI Framework and worked with Trusted CI to produce 1) a validated self-assessment of their cybersecurity program and 2) a cybersecurity program strategic plan. This panel discussion will discuss these facilities' experiences from the first Trusted CI Framework Cohort engagement. The presentation will begin with a brief overview of the	**Moderator: Scott Russell,** Trusted CI **Panelists: Craig Risien** (OOI)**, Doug Ertz** (GAGE)**, Wade Craig** (NRAO)**, Craig Jackson** (IU CACR / Trusted CI)

	Trusted CI Framework and the Framework Cohort. The presentation will then transition into a panel discussion about these Major Facilities' experiences evaluating their cybersecurity programs and developing strategic plans. The panel will focus on lessons learned from the group engagement, including challenges, surprises, and recommendations for other Major Facilities that are attempting to improve their cybersecurity posture.	
3:15	Break	
3:30	**Ransomware roundtable**	**Ryan Kiser**
4:00	**Insider edition: What ResearchSOC *really* does with NSF facilities** With five NSF major facilities in operations and almost four years of experience providing operational cybersecurity services to major NSF facilities, ResearchSOC has learned a few things about securing open science. In this 30 minute presentation Susan Sons, Executive Director of the OmniSOC and ResearchSOC, will provide an insider's view of insights, progress, trends, selected metrics, and direction and opportunities for collaboration with ResearchSOC–the NSF-sponsored security operations center supporting NSF research,	**Susan E. Sons**, Executive Director of OmniSOC and ResearchSOC

	higher education, and R&E networks.	
4:25	**Closing**	**Jim Basney,** Trusted CI Director

* All times Mountain