

NSLS-II Control System Cybersecurity

Sunday 11 October 2009 11:00 (30 minutes)

The Control System group at the forthcoming National Synchrotron Light Source II (NSLS-II) is in the process of drafting a Cybersecurity Requirements document. This discussion will provide a general overview of the network topology with a focus on the logical flow of traffic. Security at and accessibility to the control complex and beam-lines will be explored in the context of policy, user expectations, and performance requirements with a survey of potential associated technologies (One-time-passwords, VPNs, Centrify/LDAP, NX/Citrix). Finally, providing wireless access to the control system network is viewed as an attractive and cost effective supplement if done right. A secure wireless implementation will be illustrated.

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