



Contribution ID: 82

Type: **Presentation**

## INL's Enclave Transformation

*Monday, 12 May 2008 13:30 (40 minutes)*

Recent cyber security regulations and challenges have been imposed that have made Laboratory networking environments reconsider their existing design and environments for securing data assets that traverse and are stored on the data network. Many of the Laboratories are challenged with meeting NIST and DOE requirements for securing the networking environment.

As part of developing cyber security standards for the INL, it is BEA's responsibility to define the cyber security enclave model for the INL site based on DOE and NIST guidance regarding certification and accreditation of information systems. The enclave model reflects the design of the INL's Next Generation Network (NGN) with respect to cyber security to support the various and multiple missions of the INL. An enclave is defined as: Set(s) of data requiring the same level of protection. The data is protected as a group, under the same management controls and have the same security control (CIA level) requirements.

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**Session Classification:** Monday Breakout 6

**Track Classification:** Computer Security Tools (unclassified)