

Deliverable 2: Laboratory Performance Report

Project Title: Low-Cost, Robust, Threat-Aware Wireless Sensor Network for Assuring the Nation's Energy Infrastructure

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Abstract: The objective of this project was to create a low-cost, robust anticipatory wireless sensor network (A-WSN) to ensure the security and reliability of the United States' energy infrastructure. This project has shown the feasibility of an intelligent wireless sensor network for the protection of electrical infrastructure.

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1. EXECUTIVE SUMMARY

In lieu of performing laboratory testing, Eaton Corporation and Oak Ridge National Laboratories (ORNL) conducted an additional field test in March 2007 at ORNL facilities. The results of this test summarized in the report entitled "DE-FC26-04NT42071, Final Technical Report" submitted to the Department of Energy on June 27, 2007.