CYBER DEFENSE

Abstract

A cyber simulation facility comprising: an operational physical model facility of a real infrastructure facility that mimics at least in part operations of the real infrastructure facility and comprises equipment that corresponds to and mimics operations of equipment in the real infrastructure facility; attack toolware for use by people in mounting cyber attacks on the model facility; operations and management toolware for use by people in operating and defending the model facility against cyber attacks mounted using the attack toolware; and a controller having a memory and operable to acquire and store in the memory a forensic record of cyber attacks mounted on the model facility and defense strategies undertaken to defend the model facility against the cyber attacks.

Figure 1A