

## Complex Structure Forewarning System Framework

### **Disclosure Number**

201002416

### **Technology Summary**

This invention is a novel predictive framework to control the in-service health of structures or equipment by monitoring real-time, condition-based detection of impending failure, thus allowing repairs only when necessary, with substantial time and cost savings over all other methods. Furthermore, the framework can control access to or operation of the system (complex structure). This invention teaches a novel extension of this forewarning approach with controlling of information flow to and from the complex structure. The invention further provides an automated, objective means of event forewarning.

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