## FOCUS

Fatigue Optimized Cognition Under Stress

### OTHER FUNCTIONS:

- Human performance support & enhancement
- Maximizing effective span of supervisory control
- Modeling & Simulation for ops planning
- Comprehensive situation awareness
- Extending operational effectiveness
- Managing operator workload
- Assessment of operator fatigue
- Individualization through modeling

### CONTACT:

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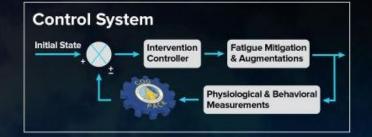
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# AFRL



## **Technical Approach**



## Capabilities

### Mobile Fatigue Application:

Conducts real-time individualized fatigue assessments

- · Performance Effectiveness Graph
- Sleep information
- Consumption information
- Psychomotor Vigilance Test (PVT)

Operational data has provided insights for better fatigue mitigation



## **Next Steps...**

- Incorporate physio-data input & individualized predictions with consumption information, reaction time data, & stable individual difference information
- Conduct analyses with an AWAC squadron & fighter pilots