



FUTURE OPEN ROTORCRAFT COCKPIT ENVIRONMENT

FORCE is a government-owned modeling and simulation test bed. It is a reconfigurable, extensible, portable platform based on commercial off-the-shelf products. FORCE allows for evaluation of third party products in a common environment using common mission scenarios and common metrics.

Technical vision:

- Provide a simple, flexible environment for 3rd party emerging technology integrations.
- Utilize standards-based open interfaces to eliminate integrator dependence, improve software re-use, and reduce effort to transition success stories to programs of record.
- Demonstrate an iterative integration approach for innovative technology, where the level of simulation fidelity of the FORCE will incrementally improve as future technologies are integrated.

Synergistic Unmanned Manned Intelligent Teaming

FORCE is a part of the SUMIT program which evaluates the impact of new and recent autonomy, decision aiding, and human machine interface technologies in the execution of Army aviation missions that utilize manned-unmanned teaming with multiple unmanned aerial systems.

IMPORTANCE TO THE ARMY

FORCE improves the readiness of future forces by enabling innovative technology evaluation through rapid integration timelines. Metrics captured through tech evaluation sessions with trained pilots adds validity to results communicated to platforms.

OUTLOOK FOR THE FUTURE

Currently performing operational vignettes, the simulator metrics will provide guidelines and recommendations to inform Future Vertical Lift requirements generation and acquisition and support the advanced teaming effort.



FOR FURTHER INFORMATION:

U.S. ARMY COMBAT CAPABILITIES DEVELOPMENT
COMMAND AVIATION & MISSILE CENTER:

<https://www.avmc.army.mil>

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