



Chapter III





Air Force Research Laboratory Autonomy Science & Technology Strategy



Integrity ★ Service ★ Excellence

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AFRL Autonomy Vision & Goals



Ensure operations in complex, contested environment



Demonstrate highly effective human-machine teaming

Intelligent machines seamlessly integrated with humans - maximizing mission performance in complex and contested environments



Create actively coordinated teams of multiple machines

Ensure safe and effective systems in unanticipated & dynamic environments





AFRL Autonomy Coordinated Teams of Machines



Ensure operations in complex, contested environment



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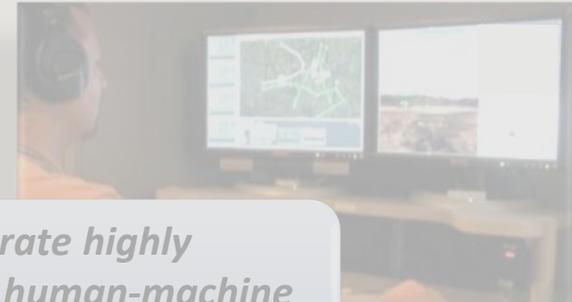


AFRL Autonomy

Coordinated Teams of Machines



Ensure operations in complex, contested



Demonstrate highly effective human-machine

ENDURING PROBLEMS

- Mature machine intelligence
- Develop and manage fractionated and composable systems
- Develop reliable, secure, interoperable communication

Create actively coordinated teams of multiple machines



Ensure safe and effective systems in unanticipated & dynamic environments



