

The 2019 C3 IR&D TIM will address the following areas of significant interest to the Air Force:

Multi-Domain Command & Control (MDC2):

- Multi-Domain Planning, Execution & Assessment technologies
- Resilient, distributed C2 capabilities
- Advanced C2 Battle Management capabilities
- Coordinated and synchronized ElectroMagnetic Spectrum Operations (EMSO) technologies

Assured Communications (MDC2 enabler):

- Advanced networked technologies that provide a seamless, agile, resilient and secure network across the enterprise
- Tactical information technologies for the disadvantaged user
- Techniques and technologies that promote communication systems with open interfaces and interoperability

Nuclear C3:

- Advanced survivable and enduring Beyond Line of Sight (BLOS) communications technologies for alternate communications paths in pre-trans-& post nuclear events
- Modernized modeling & simulation (M&S) capabilities for signal propagation prediction and Wargaming COA development in nuclear scenarios
- Novel technologies for advanced secure, encrypted communications
- Architectural foundations for nuclear C3 to include real-time monitoring capability for NC3 systems