

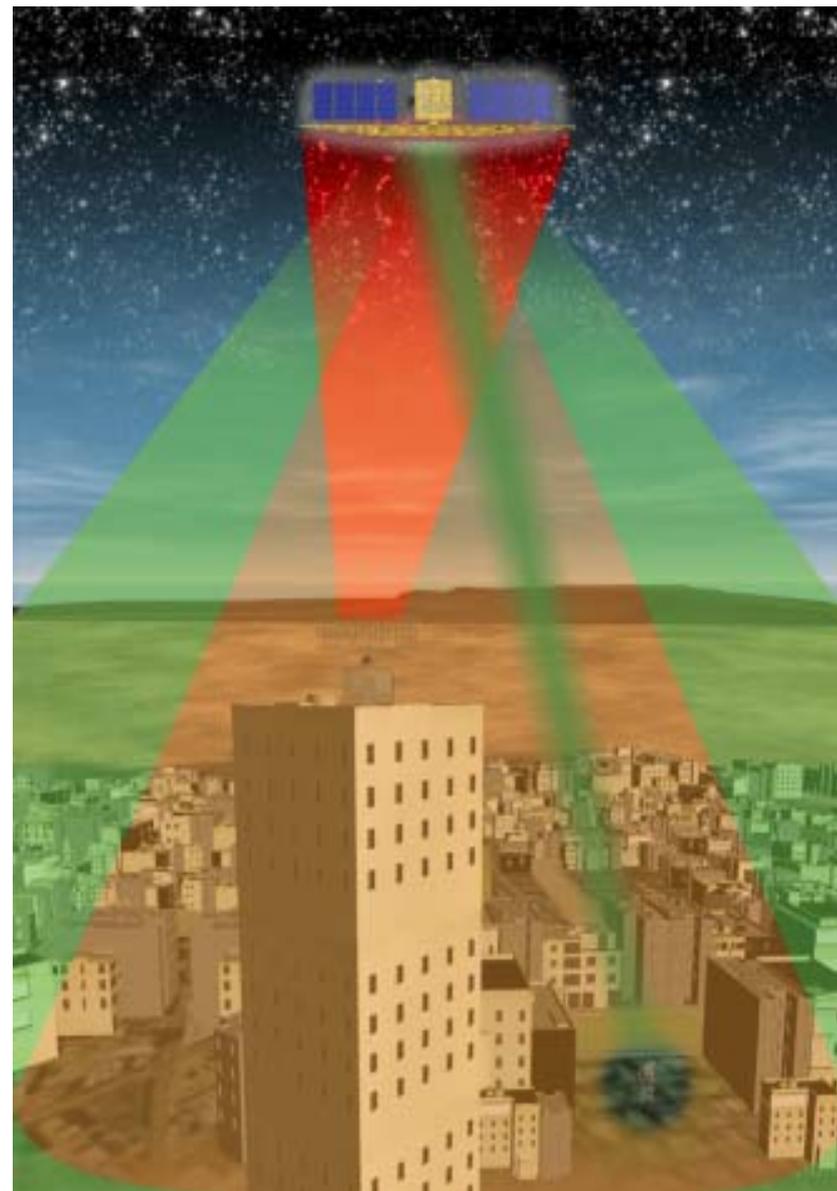


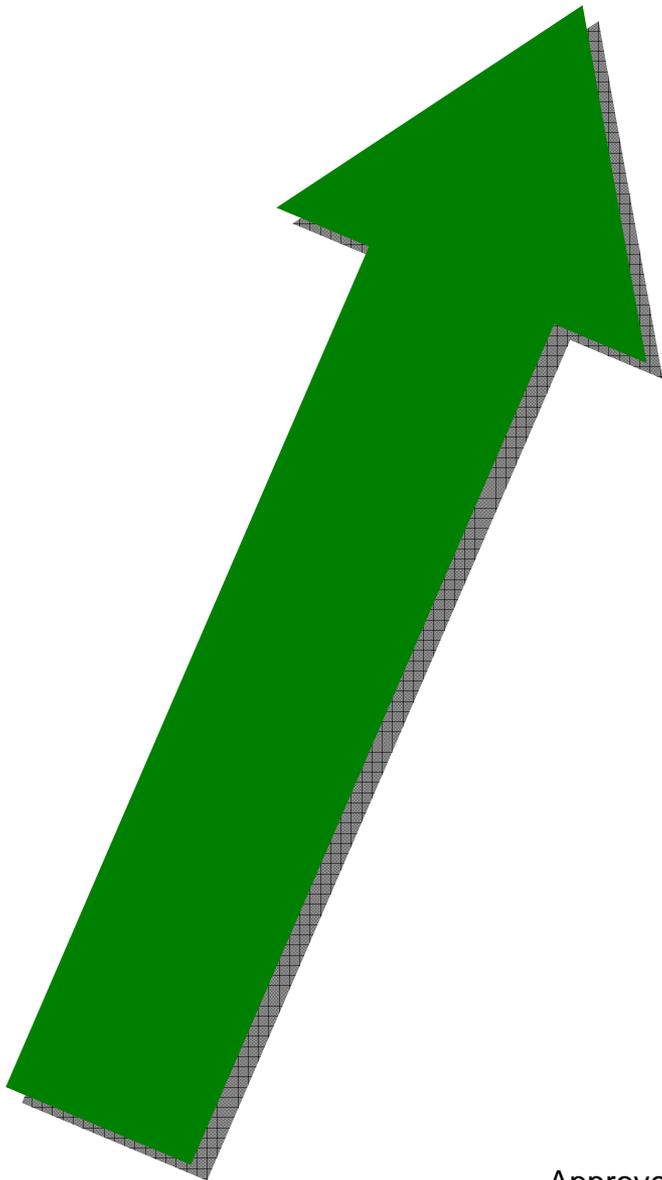
# Novel Satellite Communications

Michael Zatman

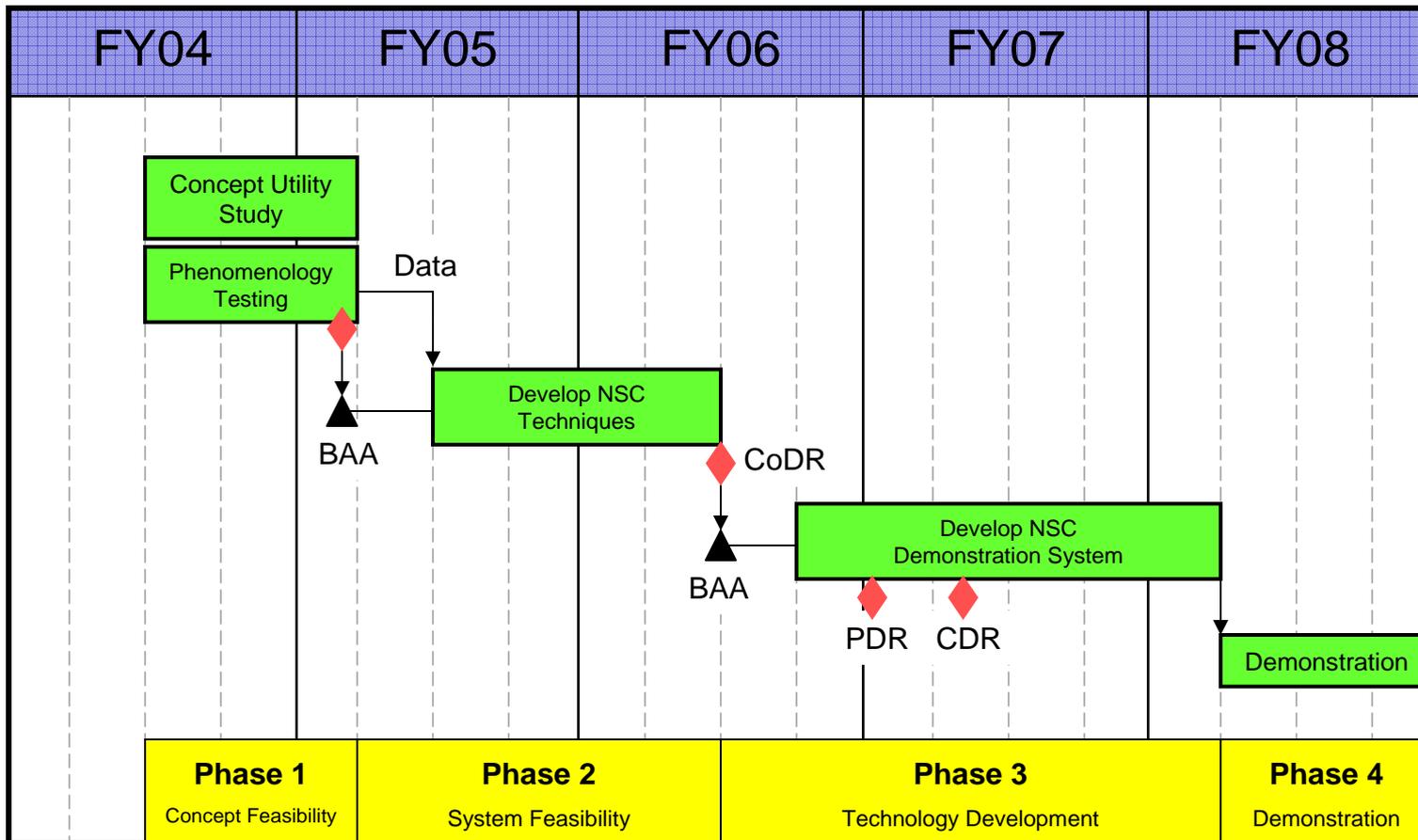
DARPA/SPO

- NSC provides robust anti-jam in all scenarios, even when the communications signal is located very close to the jammer
- NSC enhances SATCOM for ordinary military users
  - Reliable SATCOM, even in urban environments
  - Capable of performing SIGINT, geolocation, and navigation
  - 500 kbps uplink from a JTRS handheld radio



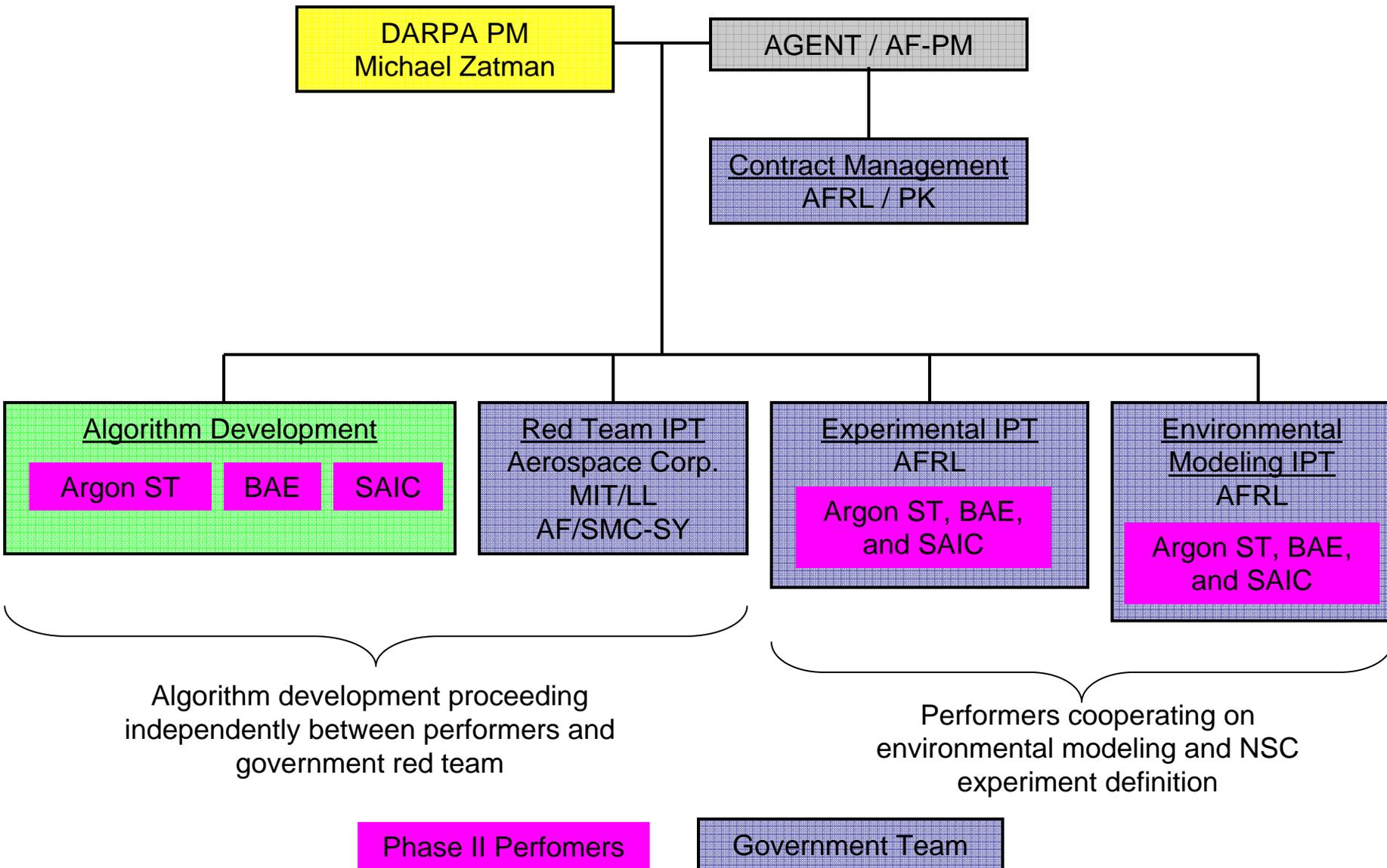


- Transition: US Air Force and US Navy
- Phase IV Demonstration
- Phase III: Design and build demonstration system
- Phase II: Develop algorithms and techniques that exploit NSC phenomenologies and model system performance
- Phase I: Experimentally measure the NSC phenomenologies and determine NSC's military utility





# NSC Program Structure





# NSC Contractor Locations

