



DEPARTMENT OF DEFENSE



Unmanned Systems Initiative

August 22, 2007
Beyond SBIR Phase II
Arlington, VA

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DoD Mentor-Protégé Program



BACKGROUND

- **FY 05 Program Initiation**
 - Partnership between OSD Small Business Programs Office and the OSD Joint Robotics Program
 - Technology focused Mentor Protégé strategy
 - Provides infrastructure and technology transition support to small business firms
- **First Contracts Awarded August 2005**
 - Lockheed Martin and Epsilon Systems Solutions (hardened displays)
 - Lockheed Martin and Geodetics, Inc. (precision GPS)
 - Ten awards to date with six new agreements in process



PROCESS OVERVIEW

- Unmanned Systems Critical Technologies Identification
 - Warfighter Capability Assessments
 - CONOP analysis
 - System performance requirements
 - Enabling technologies
- Protégé Selection
 - Small Business Innovative Research participants
 - Technology demonstrations and assessments
 - Statutory requirements (SDB, WOSB, SDVOSB, HUBZone, Organization Employing Severely Disabled)
- Mentor Protégé Team Formulation
 - Protégé/Mentor(s) needs assessment
 - MP Agreement w/infrastructure and technology transition objectives



FAMILY OF INTEGRATED RAPID RESPONSE EQUIPMENT



FIRRE UGV



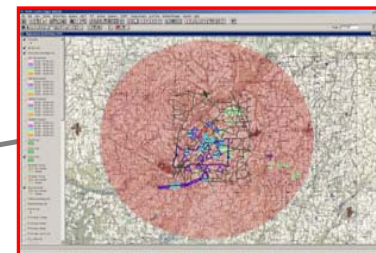
JBC2S



C2 Vehicle



SWORDS Talon



Mission Planning and Rehearsal Tool



LRAD



AN/PPS-5D
GSR

Remote Sensor Station



DI-5000



SeaFLIR

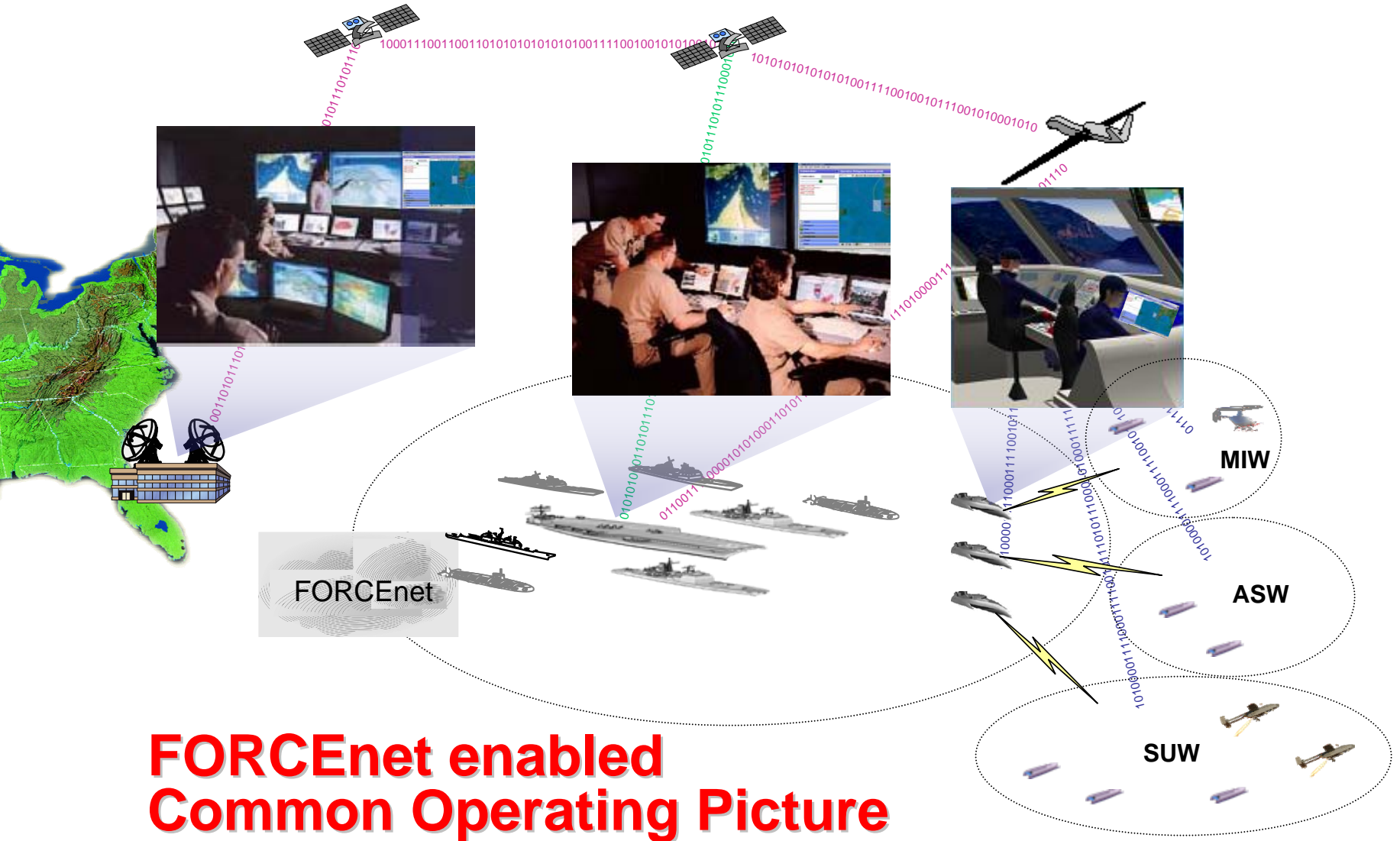


BAIS





UV SENTRY OPERATIONAL CONCEPT



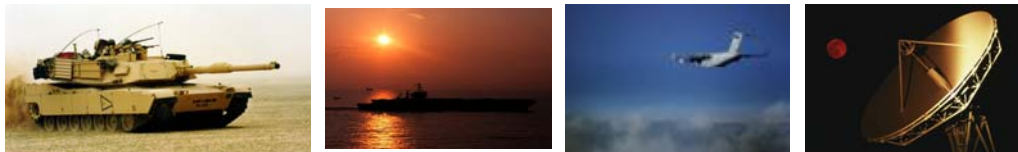
**FORCEnet enabled
Common Operating Picture**



PARTICIPANTS

Technology Matrix

<u>Team</u>	<u>Technology Focus</u>
Lockheed Martin – Geodetics	Precision GPS
Lockheed Martin – Epsilon Systems	Hardened Displays
Lockheed Martin – Anthrotronix	UxS Dismounted Interfaces
Lockheed Martin – Referentia Systems	UxS Mission Planning
Raytheon – Mesa Robotics	Small, Low Cost UGS's
Raytheon – Kuchera Defense	ATFP UGV/UGS Mobility
SAIC – Sullivan International	Integrated UxS Health Mgt.
Textron – RE2	UxS Architecture/Autonomy
ARA – Stratom Incorporated	Autonomous Manipulators
ARA – Lorimar Industries	UxS Non-Lethal Payloads



DoD Office of Small Business Programs

www.acq.osd.mil/sadbu

DoD Mentor-Protégé Program
www.acq.osd.mil/sadbu/mentor_protege