

MultiSIM-SIGINT DIS AND HLA SIMULATION OF SIGINT SYSTEMS

DESCRIPTION

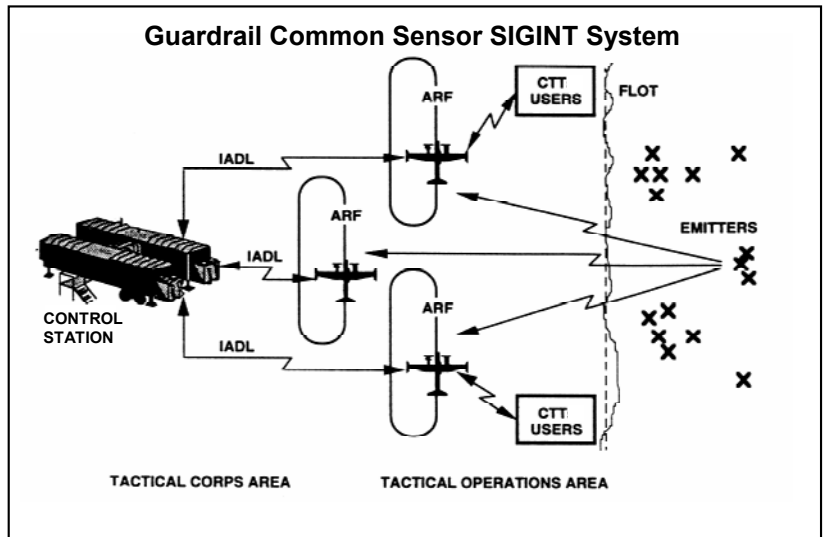
MultiSIM -- OptiMetrics' modular software framework for DIS/HLA simulations

SIGINT -- Signal Intelligence sensors for collection of communications intelligence (COMINT) or electronic intelligence (ELINT)

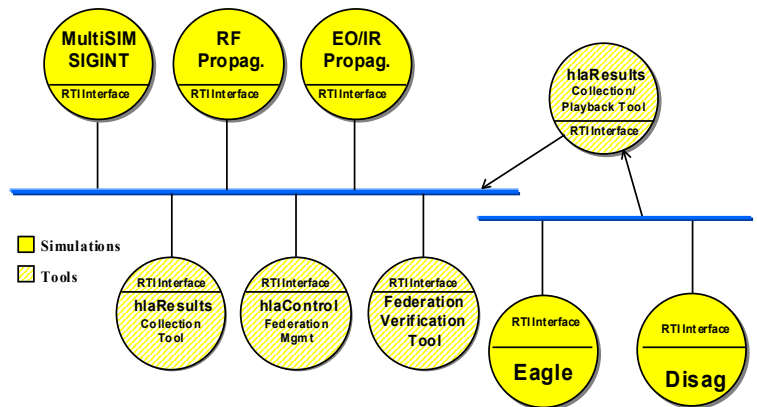
MultiSIM-SIGINT simulates COMINT and ELINT Systems within a Distributed Simulation Environment

KEY FEATURES OF MultiSIM-SIGINT

- Simulates a variety of system capabilities
 - Search/Detection
 - Audio Intercept Indication
 - Direction Finding
 - DF Location Fix
 - TODA Location
- Flexible representation of
 - System Configuration
 - Functional Performance
- GUI allows easy parameter input
- In Training Mode, HLA FOM Interface connects simulation components to ground station operational networks and workstations



MultiSIM-SIGINT in Aerial Common Sensor Federation



APPLICATIONS

- Simulation-Based Acquisition tool for Aerial Common Sensor
- Report simulation for staff level training
- Training and mission rehearsal for GRCS operational team

ACKNOWLEDGMENTS

- Development supported by
 - PM Aerial Common Sensor
 - CECOM I2WD
 - Army Battle Labs

Sensors	Simulation	Ground Station	Communication	Accuracy	
Sensor Type	UFL in Hz	LFL in Hz	1	2	3
WideBandSnaps...	300,000,000	3,000,000	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
DF	1,000,000,000	3,000,000	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TDOA	1,000,000,000	3,000,000	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
WideBandSnaps...	300,000,000	3,000,000	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
DF	1,000,000,000	3,000,000	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
TDOA	1,000,000,000	3,000,000	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
WideBandSnaps...	300,000,000	3,000,000	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
DF	1,000,000,000	3,000,000	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
TDOA	1,000,000,000	3,000,000	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>