



SPECIAL OPERATIONS FORCES INDUSTRY CONFERENCE

Command, Control, Communications, and Computers



Mr. Scott Brown

Tactical Comms Division Chief



Tactical Comms



STC



BFT



Mobile Computing Initiative



MISLink



JTCITS



ASOMS



NGLS



FABS V2 / BSV



SOF Tactical Comms (STC)

- Provides Next Generation SOF Communication Systems
- Capabilities Include: Real Time, Hostile and Friendly Force Information; Line of Sight (LOS) and Beyond LOS (BLOS) Communications; and Access to Situational Awareness in the Form of Intelligence Inputs, Broadcasts, and Networks
- Consists of Five Form Factors: 1) Manpack, 2) High Frequency, 3) Handheld, 4) Individual Radio, and 5) Mobile Computing Device

ACQUISITION STRATEGY

- Operational System in Sustainment with Evolutionary Technology Insertions

PERIOD OF PERFORMANCE

- Variable, dependent on variant

MILESTONES

- Post Milestone C, Sustainment & Capital Equipment Replacement

POINT OF CONTACT

- Mr. Mark Spadaro (813) 826-7263

FUNDING

- FY13: RDT&E \$3.04M PROC \$65.27M O&M \$13.16M
- FY14: RDT&E \$1.70M PROC \$35.40M O&M \$13.53M

CURRENT CONTRACT/OEM

- Harris Corp
- Thales Communications Inc

STC Technology Interest Areas

- Dual-channel Communications
- Broadband BLOS (SATCOM)
 - INMARSAT
 - MUOS
 - Man-pack X-Band
 - Other Waveforms
- Low Probability of Intercept / Low Probability of Detection for BLOS
- Mobile Computing Infrastructure Integration Into STC Systems
 - 3G/4G/LTE
 - WiFi/WiMax
- High Bandwidth Technologies
 - Full Motion Video
 - Sensor Feeds
 - Multi-Layered Databases
- Antenna Profile Reduction
 - Retain Performance of Current Antennas
 - Better Fit on the Body
 - Reduced Visual Signature

Joint Tactical C4I Transceiver System (JTCITS)

- Provides Systems That Receive Full-Motion Video (FMV) from a Wide Variety of Unmanned Aerial Systems (UAS) over C, L, Ku and S-band Downlinks
- Provides Capability via Encrypted Video Feeds Using Commercial AES Encryption or NSA Approved Type1 Encryption

ACQUISITION STRATEGY

- Commodity Based Procurement with Evolutionary Technology Insertions

PERIOD OF PERFORMANCE

- Variable, dependent on variant

MILESTONES

- Post Milestone C, Sustainment & Capital Equipment Replacement

POINT OF CONTACT

- Mr. Valentin Torello (813) 826-7242

FUNDING

- FY13: PROC \$3.05M O&M \$5.76M
- FY14: PROC \$4.01M O&M \$2.51M

CURRENT CONTRACT/OEM

- Multiple

JTCITS Technology Interest Areas

- Secure, Self-Forming Mobile Ad-hoc Networking
 - Among JTCITS Systems
 - With STC Systems
- Advanced Situational Awareness
 - Fusion of Data
 - Visually Display in Near-Real Time
- Mobile Computing Infrastructure Integration Into JTCITS Systems
 - 3G/4G/LTE
 - WiFi/WiMax



Mobile Computing Initiative (MCI)

- Provide SOF Users Secure Access to SIE, SOF Apps, and Data via
 - Authorized App Repository and Data Sources
 - COTS Smart Device(s) Through Commercial and US Government Wireless Networks
- Currently Based FIPS 140 Certified Devices
 - BlackBerry Smart Phones
 - Playbook Tablets

ACQUISITION STRATEGY

- Commodity Based Procurement with Evolutionary Technology Insertions

PERIOD OF PERFORMANCE

- Variable, dependent on device / app

MILESTONES

- Pre-Milestone B, Sustainment & Capital Equipment Replacement

POINT OF CONTACT

- Mr. Jarrett Potts (813) 826-7011

FUNDING

- FY13: RDT&E \$0.60M O&M \$1.50M
- FY14: RDT&E \$0.75M O&M \$2.00M

CURRENT CONTRACT/OEM

- BlackBerry



MCI Technology Interest Areas

- Mobile Computing Infrastructure Integration Into Multiple C4 Systems
 - 3G/4G/LTE
 - WiFi/WiMax
- Data at Rest in Tactical Environment
- Advanced Situational Awareness
 - Fusion of Data
 - Visually Display in Near-Real Time
- Secure Voice Comms via COTS Devices
- Development / Adaptation of Tactical Apps



Tactical MISO

- Provides Systems That Can Transmit Live or Recorded Audio Messages to Diverse Sets of Target Audiences in a Variety of Tactical Environments.
- Consists of: 1) Fly Away Broadcast System, 2) Next Generation Loudspeaker System (Mounted / Dismounted / Scatterable Media), and 3) MISLink (Cellular)

ACQUISITION STRATEGY

- Operational System in Sustainment with Evolutionary Technology Insertions

PERIOD OF PERFORMANCE

- Variable, dependent on variant

MILESTONES

- Post Milestone C, Sustainment & Capital Equipment Replacement

POINT OF CONTACT

- Mr. Rey Garcia (813) 826-5161

FUNDING

- FY13: PROC \$2.71M O&M \$4.06M
- FY14: PROC \$2.11M O&M \$3.84M

CURRENT CONTRACT/OEM

- Multiple

Tactical MISO Technology Interest Areas

- Scatterable Media / Electronic Paper
 - Completely Printed Product Capable of:
 - Printed Leaflet Capable of Audio Augmentation
 - Printed Leaflet Capable of Audio-Visual Augmentation
 - Printed Leaflet Capable of Radio / TV / WiFi Reception
 - Printed Leaflet / Newspaper Capable of Remote Electronic Update
- Holographic Imaging
 - Ground, Air, and Space Based Projection
 - Stealth Projection Capability (i.e. Projection Source Not Visible to Target Audience)
- Pod-based AM Broadcast Antenna (for UAV)
 - Less than 250 lbs
 - Antenna Must be Encased Within Pod (i.e. No Trailing Antenna Behind UAV)