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

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<td>Mr. Valentin Torello (813) 826-7242</td>
<td>FY13: PROC $3.05M O&amp;M $5.76M</td>
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<td>FY14: PROC $4.01M O&amp;M $2.51M</td>
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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)
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)