

A composite image featuring several soldiers in silhouette against a dark, blue-tinted background. In the foreground, a soldier is shown in profile, wearing a helmet with night vision goggles. In the background, other soldiers are visible, along with a helicopter flying in the sky. The overall atmosphere is tactical and high-tech.

SPECIAL OPERATIONS FORCES ACQUISITION, TECHNOLOGY, & LOGISTICS
Campaigning with Partners for Integrated Deterrence

Mr. Joel Kurzdorfer, Deputy Program Manager
TACTICAL COMMUNICATIONS



PM TACTICAL COMMUNICATIONS

NEXT GENERATION TACTICAL COMMUNICATIONS (NGTC)



SATELLITE DEPLOYABLE NODE (SDN)



RADIO INTEGRATION SYSTEM (RIS)



TACTICAL LOCAL AREA NETWORK (TACLAN)



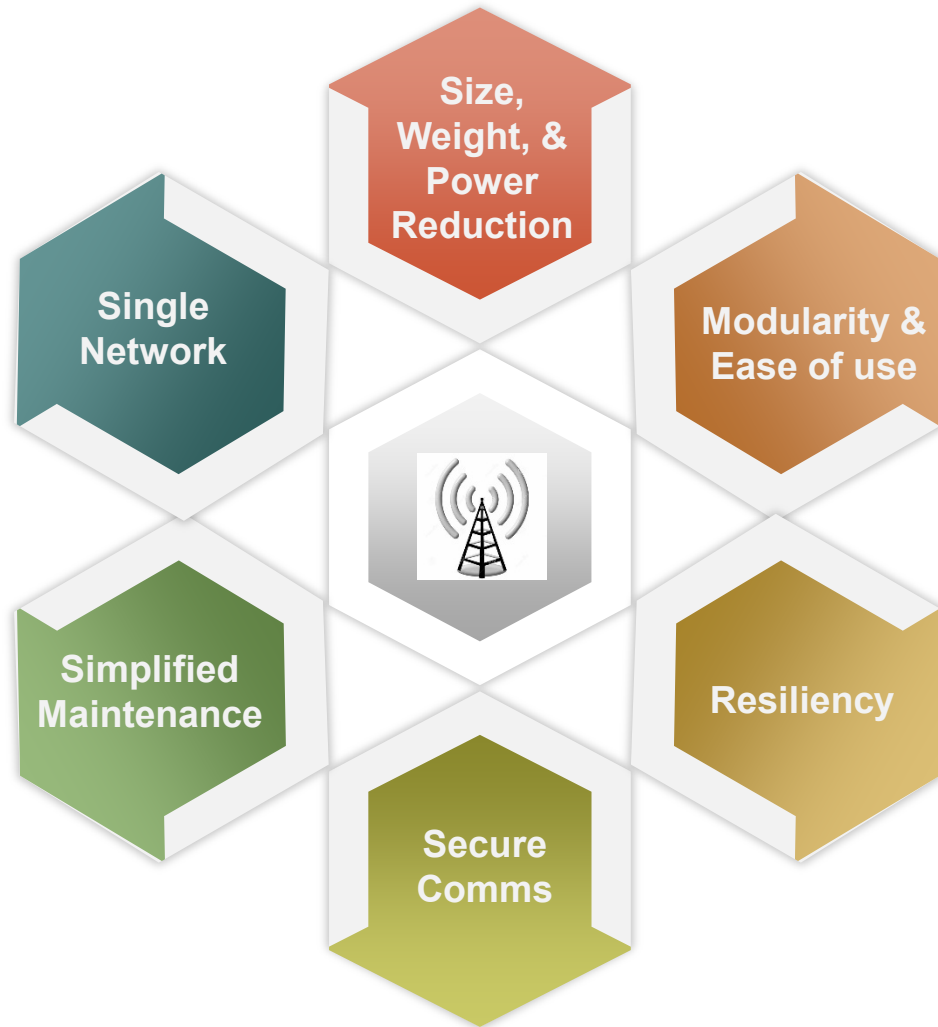
FIELD COMPUTING DEVICE (FCD)



PM TACTICAL COMMUNICATIONS FUNDING

	FY22	PB23
RDTE	\$10.5M	\$14.1M
PROC	\$168.0M	\$163.3M

CURRENT & FUTURE FOCUS



AREAS OF INTEREST

- **Neural Networks**
- **Cognitive and Adaptive Radio Frequency (RF) networks**
- **Small, modular COTS RF & compute payloads – Modular Open System Approach (MOSA)**
- **Low Probability of Intercept/Detection, Jam Resistant Capabilities, and Alternative Positioning, Navigation and Timing**
- **Wireless/Tethered Personal Area Network**
- **Conformal Batteries/Regenerative Power**
- **Resilient Networked Distributed Comms**

SATELLITE DEPLOYABLE NODE (SDN)

- Family of deployable, super high frequency, multi-band, SATCOM systems providing deployed SOF users with the transport path for access to the SOF Information Environment
- Provides high-capacity voice, data, VTC, and video at all levels of classification
- Consists of heavy, medium, light, SATCOM on-the-move, and airborne ISR transport



ACQUISITION STRATEGY

- COTS/NDI
- Future capabilities: Evolutionary Technology Insertions

PERIOD OF PERFORMANCE

- These systems are supported by multiple contracts

MILESTONES

- Production/Sustainment
- Capital Equipment Replacement Program

POINT OF CONTACT

- USSOCOM SOF AT&L, Engage SOF (eSOF)
(813) 826-9482

FUNDING

	<u>FY22</u>	<u>FY23</u>
• RDT&E	\$5.6M	\$3.8M
• PROC	\$80.3M	\$69.5M

CURRENT CONTRACT/OEM

- Various

NEXT GENERATION TACTICAL COMMUNICATIONS (NGTC)

- Provides Next Generation SOF Tactical Communications
- 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 Two Form Factors:
 - 1) Manpack and 2) Handheld



ACQUISITION STRATEGY

- Developmental
- COTS/NDI
- Future capabilities: Evolutionary Technology Insertions

PERIOD OF PERFORMANCE

- These systems are supported by multiple contracts

MILESTONES

- Development/Production/Sustainment
- Capital Equipment Replacement Program

POINT OF CONTACT

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FUNDING

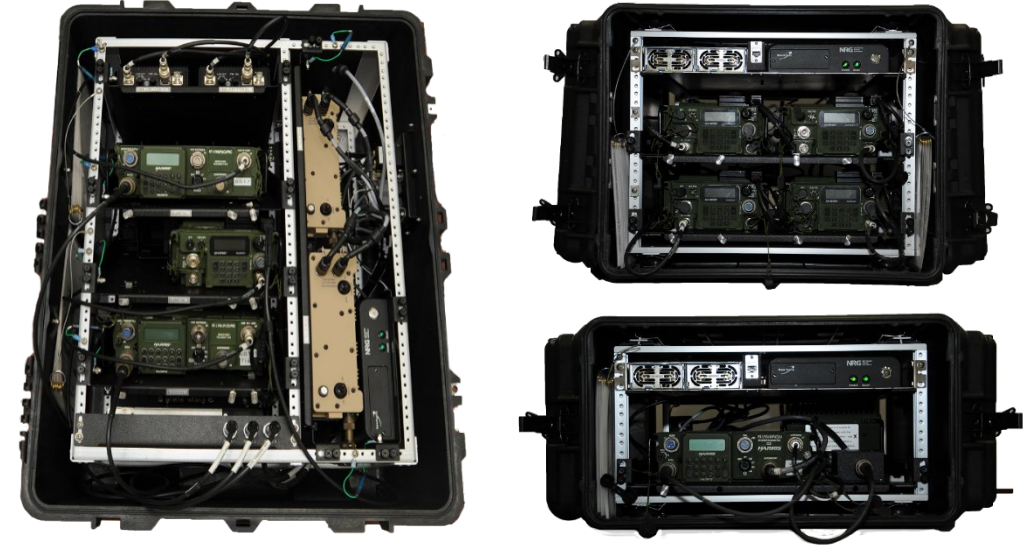
	FY22	FY23
• RDT&E	\$11.8M	\$7.8M
• PROC	\$63.9M	\$60.6M

CURRENT CONTRACT/OEM

- Various

RADIO INTEGRATION SYSTEM (RIS)

- Provides command, control, and communications (C3) between deployed Special Operations Force (SOF) bases and Liaison teams to SOF headquarters, and SOF support elements
- Modular: Enables the SOF operator to tailor the system to meet current mission requirements
- Scalable: Facilitates reduction in size, weight, and power requirements



ACQUISITION STRATEGY

- COTS/NDI
- Future capabilities: Evolutionary Technology Insertions

PERIOD OF PERFORMANCE

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MILESTONES

- Production/Sustainment
- Capital Equipment Replacement Program

POINT OF CONTACT

- USSOCOM SOF AT&L, Engage SOF (eSOF)
(813) 826-9482

FUNDING

	FY22	FY23
• RDT&E	\$0.0M	\$0.0M
• PROC	\$13.8M	\$16.3M

CURRENT CONTRACT/OEM

- Various

TACTICAL LOCAL AREA NETWORK (TACLAN)

- Family of systems provides SOF commanders and forward-deployed forces advanced automated data processing and display capabilities through a common deployed tactical local area network infrastructure and Field Computing Devices (FCD)
- Provides specialized and common software applications to support a wide range of SOF mission sets from the individual and small team level to larger SOF Task Force contingents
- Seamless connectivity to multi-level secure networks to facilitate information exchange between the SOF Warfighter, and DoD information networks.
- Improves SOF tactical situational awareness, command and control, mission planning and execution activities, and intelligence analysis and reporting



ACQUISITION STRATEGY

- COTS/NDI
- Future capabilities: Evolutionary Technology Insertions

PERIOD OF PERFORMANCE

- These systems are supported by multiple contracts

MILESTONES

- Production/Sustainment
- Capital Equipment Replacement Program

POINT OF CONTACT

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FUNDING (TACLAN)

	<u>FY22</u>	<u>FY23</u>
• RDT&E	\$3.1M	\$2.5M
• PROC	\$11.3M	\$16.8M

CURRENT CONTRACT/OEM

- Various

FIELD COMPUTING DEVICE (FCD)

- **End User Device for TACLAN suite of software**
 - FCD-Rugged (FCD-R): Semi or fully ruggedized laptop/computer:
 - Fielded to the operators in static deployed positions
 - FCD-Wearable (FCD-W): Handheld Wearable Device:
 - Fielded to the dismounted mobile operator engaged in combat or reconnaissance patrols



ACQUISITION STRATEGY

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PERIOD OF PERFORMANCE

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MILESTONES

- Production/Sustainment
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FUNDING (TACLAN)

	<u>FY22</u>	<u>FY23</u>
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CURRENT CONTRACT/OEM

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QUESTIONS?

