Job Announcement	
Contract Job Title:	Deployable Electronics Engineer
Clearance:	Active Secret & able to obtain a TS/SCI
Location:	Aberdeen Proving Grounds, MD
Reports to:	Team Lead
FLSA Status:	Non-Exempt, Fulltime, Regular

Summary: Electronics Engineer will provide technical support to meet the needs of the customer.

Essential Duties and Responsibilities:
- Be available and willing to deploy to OCONUS locations to include Kuwait, Afghanistan, and Iraq for up to 6 months at a time rotating with other deployers.
- Support technical intelligence (TECHINT), media exploitation (MEDEX), cell phone exploitation (CELLEX), electronic exploitation (ELEX), and other unique exploitation missions.
- Conduct electronic analyses of target devices, including functional analyses of the target devices, understand and describe how the target functions from an electronic perspective - basic signaling characteristics; voltage levels; electrical connections; electrical modifications to commercial-off-the-shelf (COTS) hardware; logic states; operating frequencies; component configuration identification; operating profiles/modes; operation in noisy electromagnetic environments; and susceptibility.
- Serve as subject matter expert in RF characterization.
- Publish reports and briefings in order to present characterization information, electronics vulnerabilities, and exploitation recommendations.
- Work with a team to respond to RFI's and determine best consolidated solutions to problems.
- Design and implement characterization standard operating procedures (SOPs) and implement SOPs in daily functions.

Required Skills:
- An understanding of RF communications, with a particular emphasis on complete characterization of electronic circuits.
- Extensive experience in electronics engineering.
- Experience using benchtop RF equipment including Signal Generators, Spectrum Analyzers, Oscilloscopes, and other equipment. Able to perform standard RF measurements (e.g. occupied bandwidth, average power, and pulse width) using the previous listed test equipment.
- Experience in synthesizing and generating various types of RF waveforms using and arbitrary waveform generator.
- Be able to handle and prioritize many tasks in a fast-paced environment.
- Good written and oral communication skills.
- Strong analysis and problem solving skills.

Desired Skills:
- Experience in reverse engineering electronic components and circuit boards.
- Experience supporting exploitation and modeling and simulation tool development.
- Working knowledge of software defined radios (SDR), such as the Ettus B210 and x310. Able to interface with such units in order to transmit or receiver RF signals.
- Basic Matlab (and other basic programming/scripting) skills, should be able to apply digital signal processing techniques to communication signals.
- Techniques include digital filtering, sample rate conversion, frequency/phase estimation, demodulation, carrier recovery, timing recovery, channel equalization, pulse shaping, and forward error correction.
- Experience working with embedded systems such as Arduino and writing programs leveraging the SPI bus to configure and analyze various chipsets.

Background and Education:
- **Secret Clearance: Must be able to obtain Top Secret/SCI**
- Experience deploying to forward OCONUS locations desired.
- Bachelor's degree in Electrical or Computer Engineering and 3 years of experience; or associates degree and 8 years of experience in related field required.
- Advanced degree in Electrical or Computer Engineering and 7 years of experience in related field desired.

Ethics and Diversity:
- Treat people with respect; keeps commitments; inspires the trust of others; works with integrity and ethically; upholds organizational values
- Shows respect and sensitivity for cultural differences; educates other on the value of diversity; promotes a harassment-free environment; builds a diverse workforce