



JOB POSTING

Position: Senior Systems Analyst
Reference: 02435
Organizational Unit: HEE-NEFB
Appointment Type: Full-Time Regular-A
Location: Ft. Gillem, GA (& OCONUS)
Date Posted: 1/9/20

PURPOSE: Individual will perform exploitation and reverse-engineering on IED electronic circuit boards and develop device characterization. Will identify, capture, analyze and characterize electronic devices and components from IED circuit boards for arming, firing and source characteristics and also from IED electrical/electronic RF receiver and transmitter modules and circuit board characteristics, operating frequencies and power.

ESSENTIAL JOB FUNCTIONS:

- Perform exploitation and reverse-engineering on IED electronic circuit boards and develop device characterization.
- Identify, capture, analyze and characterize electronic devices and components from IED circuit boards for arming, firing and source characteristics.
- Capture, characterize and identify IED electrical/electronic RF receiver and transmitter modules and circuit board characteristics, operating frequencies and power.
- Specify component nomenclatures and research to identify resources and specifications, reverse engineering the devices if required.
- Analyze, demodulate and decode signals in order to extract intelligence data using standardized demodulation and decoding tools and techniques for commonly encountered signals. Utilize laboratory measuring equipment, spectrum analyzers, signal generators, and associated instrumentation to perform exploitation of the devices and materials.
- Perform Electronic Data Recovery (EDR) of logical and physical data on cell phones and other media storage devices using hardware/software tools including Cellebrite UFED, XRY, FTK and other forensic tools and analyze EDR files to recover data that may be of investigative or intelligence value. Document all exploitation results in all required outputs such as component lists, circuit layouts, mechanical drawings, or in tools like WEAT.
- Assist in the creation of technical/scientific reports documenting the results of exploitation and analysis. Responsible for reporting and briefing critical finds to both

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Applicants that apply for a position that requires access authorization then ORAU will test for the absence of any illegal drugs as defined in 10 CFR 707.4. ORAU will also conduct a background investigation by the Federal government as required to obtain an access authorization prior to employment, and reinvestigations will be conducted as required.

Applicants that apply for a position that are covered by the Counterintelligence Evaluation Program regulations as defined in 10 CFR 709 may be required to have a counterintelligence-scope polygraph examination.



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military and DoD civilian leadership.

- Support development of countermeasures for electronic devices/signals. Provide information to assist in profiling and signature analysis.

JOB REQUIREMENTS:

- High School diploma or equivalent.
- Five (5) years of experience in a radio frequency (RF) test environment and characterizing electronic components for intelligence products and reporting.
- Five (5) years of experience performing benchtop RF measurements (e.g. occupied bandwidth, average power, pulse width, etc.) using signal generators, spectrum analyzers, oscilloscopes and other equipment.
- Experience with testing and characterizing electrical components of IEDs and/or Software Defined Radios (SDR).
- Experience with standard operating procedures for the storage, testing and transport of samples and components found in captured materials.
- Demonstrated ability to produce technical reports on findings and develop device profiles.
- Able to obtain and maintain a DoD Top Secret security clearance required.
- Must be able to successfully pass all medical requirements for deployment.

Classified as Hard to Fill. Eligible for Employee Referral and Sign-On Bonus

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