

**Title:** OUC SME - RF Engineer - Senior  
**Region:** District of Columbia

**Req ID:** 569453

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**Details****Requisition Details**

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**Req. Class:** SMEV1 : 3-Senior  
**Region:** District of Columbia

**Title:** OUC SME - RF Engineer - Senior

**Req. Status:** Open

**No. of Openings:** 1  
**No. Filled:** 0

**Start Date:** 07/26/2018

**No New Submittals After:** 07/16/2018

**Max Submittals by Vendor per Opening:** 2

**Worksite Address:** 310 McMillan Drive NW

**Agency Interview Type:** Phone Only

**Advanced Technical Screening Required?:** No

**Existing Incumbent Resource?:** Yes

**Requisition Description**

**Engagement Type:** Contract

**Short Description:** 11-15 years of experience. Provides assessments of technical and operational practices based on leading industry standards specific to the requested technology.

**Complete Description:** The Contractor shall provide a RF Engineer with at least five years of experience working at a Public Safety Answering Point (PSAP). The RF Engineering Consultant will be responsible for working with LMR radio system, software, and programs. In addition, the RF Engineering Consultant will also be responsible for designing / testing radio code plugs validating radio and system performance, and evaluating new communication devices. The RF Engineering Consultant will perform technical work in the field of Land Mobile Radio (LMR) and wireless communications system engineering, design, and implementation. The consultant will be responsible for program review, compliance with licensing regulations, requirements gathering, design review, change management, and final acceptance of systems. Deities will include RoIP system engineering and radio code plug design / programming. Furthermore, the consultant will conduct short and long-term planning to meet communications requirements. The consultant will also be responsible for performing hardware / software analysis to provide comparative data of performance characteristics and suitability within the existing systems environment.  
 Day to Day Tasks: - Support MPD radio update and tracking efforts - Develop agency codeplugs - Support / complete agency programming requests - Manage / coordinate encryption and OTAR upgrades - Develop radio training material for internal and external users - Develop technical guidelines for radio use - Develop In-Building approval criteria for In-Building Wireless (IBW) - Review IBW proposals for compliance - Perform field surveys of new and existing BDA installations - Troubleshoot IBW network interference issues - Investigate IBW network coverage issues - Support OUC radio operations -----  
 CONTRACT JOB DESCRIPTION Responsibilities: 1. Provides assessments of technical and operational practices based on leading industry standards specific to the requested technology. 2. Plans, organizes, and conducts research in a variety of areas, such as new or existing products, science, social science, law or business in support of an IT initiative. 3. Searches sources such as reference works, literature, documents, newspapers, statistical records, and other sources of information. May use Internet, Intranet, magazines, periodicals, journals, and other media to perform research. 4. Analyzes information and statistical data to prepare reports and studies for use by professionals. Minimum Education/Certification Requirements : Master's degree in Information Technology or related field or equivalent experience

**Client Information**

<b>Work Location:</b>	OUC - 2720 Martin Luther King Jr Ave SE Washington, DC 20032	<b>Cost Center:</b>	OUC - Office of Unified Communications
		<b>Project:</b>	

**Required/Desired Skills**

**Required /Desired**

Skill	Required /Desired	Amount	of Experience
11-15 yrs as SME in complex enterprise level projects	Required	11	Years
Master's degree in IT or related field or equivalent experience	Highly desired		
5 years of experience working in a PSAP	Required	5	Years
3 years of Interoperable Radio experience	Required	3	Years

3 years of Land Mobile Radio experience	Required	3	Years
3 years of radio network coverage and interference analysis experience	Required	3	Years
3 years of experience with RF engineering tools including Wizard and drive test tools	Required	3	Years
2 years of experience in developing fleetmaps, code plugs and programming radios for public safety	Required	2	Years
3 years of experience managing Motorola User Configuration Manager	Required	3	Years
3 years of experience creating monthly system watch reports, data entry and analysis	Required	3	Years
3 years of experience in troubleshooting WS systems, including but not limited to cell, microwave, LMR, UHF, etc.	Required	3	Years
3 years of experience with public safety infrastructure	Required	3	Years
3 years of experience with P25 radio network	Required	3	Years
3 years of experience and knowledge of public safety communications and interoperability	Required	3	Years
1 year of experience and knowledge with LTE and WiMax – Standard practices	Required	1	Years
3 years of experience and knowledge of PSAP operations	Required	3	Years
6 years of experience and knowledge of wireless communications – combination of theory and practice	Required	6	Years

## Questions

	Description
Question 1	Absences greater than two weeks MUST be approved by CAI management in advance, and contact information must be provided to CAI so that the resource can be reached during his or her absence. The Client has the right to dismiss the resource if he or she does not return to work by the agreed upon date. Do you accept this requirement?
Question 2	Please list candidate's email address that will be used when submitting E-RTR.
Question 3	There are no reimbursable expenses. Do you accept this requirement?