



Statement of Work

Title: Software Engineer
Revision Number: 0
Date: September 29, 2016

**Statement of Work for
*Software Engineer***

Revision 0
September 29, 2016
Prepared by: V. Wilson

<i>APPROVALS</i>	<i>PRINT NAME</i>	<i>SIGNATURE</i>
<i>BTR*</i>	Paul Felts	

* Approval for Technical Content



1.0 INTRODUCTION / BACKGROUND

The Mission Support Alliance (MSA) requires staff augmentation services related to the Information Management Software Engineering work scope. Support will be provided to the MSA Information Management Information Systems Software Engineering workgroup.

The Subcontractor is required to provide staff augmentation support as set forth herein:

2.0 OBJECTIVE

The MSA Information Management (IM), Software Engineering Services organization requires Software Engineering support and specialization in support for various site-wide systems. Work will be managed by MSA.

3.0 DESCRIPTION OF WORK – SPECIFIC

Provide software engineering support to create, develop, operate and maintain software programs at the Hanford site. Application development also includes the assessment, maintenance, documentation, modernization, testing and program implementation functions. Responsibilities may include the support of legacy systems, the production of new systems, along with evaluating and deploying emerging mobile applications. The Subcontractor shall provide enterprise application services by supplying an adequately and appropriately skilled IT professional.

MSA Software Engineer Support (SES) requires a software engineer who will provide support for applications developed in C# and/or Active Server Pages (ASP.NET) with back ends developed in Structured Query Language (SQL) Server and Oracle. A variety of SES applications and systems will be supported. Support includes designing and providing operation and maintenance support for website applications and completing System Change Requests (SCRs).

The software engineer for this project should be able to:

- Troubleshoot software production issues
- Design databases
- Develop/update Active Server Pages (ASP.NET) Model View Controller (MVC) website using Visual Studio Integrated Development Environment (IDE)
- Develop ColdFusion website changes using Adobe ColdFusion Integrated Development Environment (IDE)
- Understand and follow established Software Development Process



- Assist in gathering and documenting customer requirements and able to provide time estimates.
- Develop technical documentation
- Good written and communication skills

The software engineer will work with other project software engineers, interface with the project managers, and meet with customer subject matter experts as needed.

4.0 QUALIFICATIONS

Bachelor's degree in Computer Science or related field with 3 years' related work experience.

Basic Qualifications

- 2-3 years' experience in Web development experience with Active Server Pages (ASP.NET), Cold Fusion or similar technology
- Minimum of 3 years' experience developing projects using C# and Active Server Pages (ASP.NET)
- 2-3 years' experience with Structured Query Language (SQL)
- 2-3 years' experience using Visual Studio or similar
- 2-3 years' experience with Team Foundation Server (TFS) source control or similar technology.

Desired Qualifications

- 5-10 years' experience developing projects using Cold Fusion, C# and/or Active Server Pages (ASP.NET)
- 5-8 years' experience with relational database design

Subcontractor shall ensure that its personnel meet and maintain the appropriate training, qualifications, and certification requirements as applicable.

5.0 REQUIREMENTS

General

Subcontractor shall operate to MSA policies, procedures, and processes. MSA will supervise and direct the day to day work activities of the Subcontractor's personnel.

For any work performed on the Hanford Site or any MSA controlled facility, the provisions of the On-Site Services Special Provisions, will apply to Subcontractor personnel.



5.1 Environmental, Safety, & Health Requirements

The Subcontractor shall perform work safely, in a manner that ensures adequate protection for employees, the public, and the environment, and shall be accountable for the safe performance of work. The Subcontractor shall comply with, and assist the Buyer in complying with environmental and safety requirements of all applicable laws, regulations and directives.

The Subcontractor shall exercise a degree of care commensurate with the work and the associated hazards. The Subcontractor shall ensure that management of environmental and safety functions and activities is an integral and visible part of the Subcontractor's work planning and execution processes. As a minimum, the Subcontractor shall:

- Thoroughly review the defined scope of work;
- Identify hazards and environmental and safety requirements;
- Analyze hazards and implement controls;
- Perform work within controls; and
- Provide feedback on adequacy of controls and continue to improve safety management.

The Subcontractor shall flow down all environmental and safety requirements to the lowest tier Subcontractor performing work on the Hanford site commensurate with the risk and complexity of the work.

5.2 Government Property

The Subcontractor will be responsible for managing the Government-owned property as required in the Subcontract Provisions:

6.0 PERSONNEL REQUIREMENTS

6.1 Training

- A. Hanford site-specific general training requirements to safely perform this work will be designated by the Buyer's Technical Representative (BTR).
- B. The following types of training qualifications are required:
 - Hanford General Education Training (HGET)/MSA General Education Training (MGET) is required.



- Other site specific training may be required as determined during performance of this scope of work.

6.2 Security and Badging Requirements

- A. For any on site work, see Special Provisions – On-Site Services for details.
- B. The Subcontractor shall wear a Buyer-issued security badge identifying themselves. A minimum of two working days advance notice is needed for site badging.
- C. Subcontractor employees will be required to submit to vehicle searches and not personally carry or transport certain prohibited articles.

6.3 Work Location/Potential Access Requirements:

The primary work location is 2261 Stevens, Richland Washington (subject to change). Work including meetings may also be conducted on the Hanford site at various locations.

6.4 Site Access and Work Hours

Hanford personnel at the Hanford Site work a standard 4/10 schedule. The standard work week consist of ten (10) hours of work between 6:00 am and 4:30 pm, with one-half hour designated as an unpaid period for lunch, Monday through Thursday. Alternative schedules (example – 8 x 9 schedule) may be coordinated with and approved by the BTR.

Work performed outside normal operating hours shall be coordinated and/or approved through the BTR and/or the Contract Specialist prior to performing the work.

7.0 MEETINGS, SUBMITTALS

Subcontractor shall participate in all meetings as required by the Buyer's Technical Representative (BTR).

8.0 SCHEDULE REQUIREMENTS

8.1 Schedule

Start date: TBD

Completion date: September 30, 2017