Contractor’s Progress Report
(Technical and Financial)
CDRL A001

For: Safe Surgery Trainer

Prime Contract: N00014-14-C-0066

For the Period July 1, 2015 to July 31, 2015
Submitted: 15 Aug 2015

Prepared for:
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### Safe Surgery Trainer

**1. REPORT DATE**
15 AUG 2015

**2. REPORT TYPE**

**3. DATES COVERED**
01-07-2015 to 31-07-2015

**4. TITLE AND SUBTITLE**
Safe Surgery Trainer

**5a. CONTRACT NUMBER**

**5b. GRANT NUMBER**

**5c. PROGRAM ELEMENT NUMBER**

**5d. PROJECT NUMBER**

**5e. TASK NUMBER**

**5f. WORK UNIT NUMBER**

**6. AUTHOR(S)**

**7. PERFORMING ORGANIZATION NAME(S) AND ADDRESS(ES)**
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**8. PERFORMING ORGANIZATION REPORT NUMBER**

**9. SPONSORING/MONITORING AGENCY NAME(S) AND ADDRESS(ES)**

**10. SPONSOR/MONITOR’S ACRONYM(S)**

**11. SPONSOR/MONITOR’S REPORT NUMBER(S)**

**12. DISTRIBUTION/AVAILABILITY STATEMENT**
Approved for public release; distribution unlimited

**13. SUPPLEMENTARY NOTES**

**14. ABSTRACT**

**15. SUBJECT TERMS**

**16. SECURITY CLASSIFICATION OF:**

<table>
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<th>b ABSTRACT</th>
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**17. LIMITATION OF ABSTRACT**
Same as Report (SAR)

**18. NUMBER OF PAGES**
5

**19a. NAME OF RESPONSIBLE PERSON**

Standard Form 298 (Rev. 8-98)  
Prescribed by ANSI Std Z39-18
**Medical Modeling - Safe Surgery Trainer**

This Monthly Progress Report is provided in accordance with the contract CDRL.

1) **Contract Period of Performance**: 12 March, 2014 to 30 September, 2015

2) **Cost (Estimated financials may differ from actual invoice)**
   a) Total Amount Funded to date: $910,256.00
   b) Estimated Reporting Period Expenditures: $23,022.31
   c) Estimated Cumulative Expenditure: $792,055.99
   d) Estimated Remaining Funds To Completion: $118,200.01

3) **Progress and Accomplishments During Report Period**
   a) Program Management – Ongoing communication and project management with project team and sub-contractors. Ongoing outreach with medical centers (see below). Ongoing project management according to Alion’s CMMI Level 3 processes.
      i) Follow-up from studies at Langley Air Force Hospital (June 24-25) with additional participation from Fort Eustis.
      ii) Worked to secure involvement of Portsmouth Naval Hospital – Now scheduled for Sept 9 & 10.
      iii) Ongoing interactions with medical representatives that were interested in or attended the SST StoryJam. StoryJam Participating organizations included: Portsmouth Naval Hospital, Langley AFB Hospital, Fort Eustis McDonald Healthcare, Eastern Virginia Medical School, Maryview Hospital, Mary Immaculate Hospital, and the Children’s Hospital of the King’s Daughters.
   b) Prototype Development – Final hardening and testing in preparation for the final release.
   c) Instructional Design and Healthcare Research – Working toward final documentation and preparation for final release.
   d) Research Studies – Began dissemination of data from studies at Langley AF Hospital, June 24-25. Continued preparing for upcoming Portsmouth research.

4) **Work in Progress / Plans for Next Month**
   a) Program Management - Continue identifying communication channels, managing contracts, and coordinating with team members and outside participants. Conduct numerous presentations/briefs to stakeholders.
   b) Prototype Development – Work toward final version of software. Begin preparing for transition and delivery..
c) Instructional Design and Healthcare Research – Support final testing, documentation, and delivery.

d) Research Studies – Formalize results from Langley research. Continue planning for final research at Portsmouth Naval Hospital.

5) Milestones / Deliverables

<table>
<thead>
<tr>
<th>Name/Description</th>
<th>Date (Target or Actual)</th>
<th>Notes/Status</th>
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</thead>
<tbody>
<tr>
<td>Project Management Plan</td>
<td>DONE: May 28, 2014</td>
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<tr>
<td>Reports</td>
<td>15th of each month</td>
<td>This document</td>
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<tr>
<td>Presentation Materials</td>
<td>As appropriate</td>
<td>ONR Kickoff Brief</td>
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<tr>
<td>Software Requirements Document</td>
<td>Target: Nov 30, 2014</td>
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<tr>
<td>Prototype - Source</td>
<td>Target: Sept 30, 2015</td>
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<tr>
<td>Research Data</td>
<td>Target: Sept 30, 2015</td>
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<tr>
<td>Milestone – Initiation</td>
<td>DONE: May 31, 2014</td>
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<tr>
<td>Milestone – Iteration 1</td>
<td>DONE: Dec 1, 2014</td>
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<td>Milestone – Iteration 2</td>
<td>DONE: Apr 30, 2015</td>
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<td>Milestone – Iteration 3</td>
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<td>Milestone – Conclusion</td>
<td>Target: Sept 30, 2015</td>
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<td>Milestone – ONR Kickoff</td>
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<td>Milestone – StoryJam</td>
<td>DONE: May 25, 2014</td>
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6) Risks/Issues/Concerns/Problems

a) PORTSMOUTH NAVAL HOSPITAL – This risk seems to be resolved. Working with Commander Cunningham and Commander Hawkins has led to a firm date for Sept 9 & 10 at Portsmouth Hospital. Portsmouth has accepted UCF’s IRB.

b) Letter from Portsmouth Naval Hospital has been secured.

7) Travel Accomplished

a) I/ITSEC, Dec 1 – Dec 4, 2014. Orlando Florida. Included labor hours for onsite SST effort such as conducting the field study. No actual travel budget.

b) IMSH, Jan 12-14, 2015. New Orleans, Louisiana. Includes labor hours for onsite SST demonstrations and meetings. No actual travel budget.

c) June, 2015. Langley AF Study, Hampton, VA. UCF researchers flying to Virginia to conduct studies.

d) Aug, 2015. Travel to Fort Detrick to present final results brief to JPC-1 and Dr. Ray Perez.
8) Planned Travel
   a) Travel to Norfolk (or other) by UCF research partners, in August for 2\textsuperscript{nd} study.

9) Related Activities
   a) Submitting SST to the I/ITSEC Serious Games Challenge.
   c) Submitted presentation for I/ITSEC 2015 tutorial, “There and Back Again – A Journey of Games, Communication, and Innovation.” Abstract was accepted. Final paper was denied.
   e) Presented at the Design of Learning Games Community Workshop, at I/ITSEC, Wednesday, Dec 3\textsuperscript{rd}.
   f) Conducted Field Study from the Alion booth at I/ITSEC 2014 – only such study of the conference!
   g) Presented SST concepts in a brief at the M&S Southwest Modeling and Simulation Conference in Scottsdale, Arizona, Mar 12, 2014.