Monthly Technical Status Report

LexEVS Operations and Maintenance
Subcontract No. 16X237
Option Year 2

August 2019
August 1 – August 31, 2019

Submitted by:

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Date:
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Contents

A.   <u>Technical Overview</u>

The third year of the LexEVS contract (No. 16X237) ended August 31th, 2019. We finished optional year two.

Sprint 114 (August 1, 2019 – August 14, 2019) has been completed. In this sprint, the team investigated the effort required for improving the performance of estimating a coded node iterator. As part of this sprint the team built release candidate 3 for QA to test.

Sprint 115 (August 15, 2019 – August 28, 2019) has been completed. In this sprint, the team continued to investigate a more accurate number remaining resolution for coded node graph. The team also created LexEVS 6.5.3 wiki documentation to support the upcoming 6.5.3 release. As part of this sprint, the team built release candidate 4 of the LexEVS remote API for QA to test.

Sprint 116 (August 29, 2019 – September 11, 2019) has been started and will be reported on next month.

We also provided continued product maintenance and deployment support across all sprints.

Please see the weekly meeting notes for details:

https://wiki.nci.nih.gov/display/LexEVS/LexEVS+16X237+Weekly+Meeting+Minutes

Issues Resolved Over the Covered Period:

Sprint	Activity	Description/Comments
Sprint 114	LexEVS Development - Sprint 114	LexEVS 6.5 Sprint 114 Stories
Sprint 114	CTS2FW-136	RC Release: Build Artifacts
Sprint 114	LEXEVS-4612	RC Release: Build Artifacts
Sprint 114	LEXEVS-4657	Improve the performance of the resolved mapping nodes on coded node restriction
Sprint 114	LEXEVSCTS2-385	RC Release: Build Artifacts
Sprint 114	LEXEVSREM-399	RC Release: Build Artifacts
Sprint 114	LEXSYSTEST-155	Create 6.5.3 branch for release
Sprint 115	LexEVS Development - Sprint 115	LexEVS 6.5 Sprint 115 Stories
Sprint 115	LEXEVS-4656	Investigate a more accurate number remaining resolution for Coded Node Graph

Sprint	Activity	Description/Comments
Sprint 115	LEXEVS-4658	Investigation Spike for LEXEVS-4656
Sprint 115	LEXEVS-4677	Create LexEVS 6.5.3 Development Documents
Sprint 115	LEXEVS-4689	Request DEV VM environment be set up similar to DEV and QA
Sprint 115	LEXEVSCTS2-391	Update the URI Resolver URL for building the lexevs-service
Sprint 115	LEXEVSREM-406	Updated test configurations for LexEVS 6.5.3

B. New Releases of the Software

Release	Description of the Release
Release Date: Sprint 114: August 1, 2019 – August 14, 2019 The LexEVS 6.5.3.RC.3 release consists of the following components: LexEVS API • LexEVS-install-config-6.5.3.RC.3.xml • LexEVS-install-6.5.3.RC.3.jar • extLib-6.5.3.RC.3.zip • lexbig-6.5.3.RC.3.jar	**LexEVS 6.5.3.RC.3 Release** Highlights • API fixes and features. • Candidate for final release. Details of the features and defects fixed can be found here: 6.5.3.RC.3
Release Date: Sprint 115: August 15, 2019 – August 28, 2019 The LexEVS 6.5.3.RC.4 release consists of the following components: LexEVS API • lexevsapi65-6.5.3.RC.4.war	**LexEVS 6.5.3.RC.4 Release** Highlights • Updates to remote testing only

C. Presentations, Documentation Updates, Community Communication

Activity	Description of the Activity

D. Outstanding Issues Being Actively Worked

Sprint	Activity/Issue	Description/Comments
Sprint 116	LexEVS Development - Sprint 115	LexEVS 6.5 Sprint 116 Stories
Sprint 116	LEXEVS-4673	Reliance on text as identifiers should be removed
Sprint 116	LEXEVS-4674	LexEVS VM on DEV - Review and Test Performance
Sprint 116	LEXEVS-4694	Implementation of Text Search/GraphTraversal Hybrid API
Sprint 116	LEXEVS-4695	Design a solution based on requirements
Sprint 116	LEXEVS-4696	Implement arangodb loader

E. Critical Risks or External Dependencies

Activity/Issue	Description to corrective activity/issue

F. Status of Deliverables/Milestones Overview

We have created a project wiki site out on Confluence Wiki at:

- https://wiki.nci.nih.gov/display/LexEVS/LexEVS+Project+16X237+Documents

We have created a JIRA agile board for the LexEVS Development at:

- https://tracker.nci.nih.gov/secure/RapidBoard.jspa?rapidView=374&view=planning.nodetail

This table of contents breaks out into different areas to capture the weekly meeting notes, monthly technical status reports, an area for documentation and a summary. This site will evolve throughout the lifecycle of this project.

G. Status of Deliverables

Deliverable/Milestone	Delivery Date	Status
Project Management Plan (PMP)	20 days following Project Kickoff	In Process

Deliverable/Milestone	Delivery Date	Status
Project Financial Plan (PFP)	20 days following Project Kickoff	Complete
Maintenance of Software System	Ongoing	In Process
Provide Technical Expertise	Ongoing	In Process
Project Wiki	10/20/2017	Complete

Deliverable/Milestone	Delivery Date	Status
Monthly Technical Reports:		
October 2016	11/10/2016	Complete
November 2016	12/10/2016	Complete
December 2016	01/10/2017	Complete
January 2017	02/10/2017	Complete
February 2017	03/10/2017	Complete
March 2017	04/10/2017	Complete
April 2017	05/10/2017	Complete
May 2017	06/10/2017	Complete
June 2017	07/10/2017	Complete
July 2017	08/10/2017	Complete
August 2017	09/10/2017	Complete
September 2017	10/10/2017	Complete
October 2017	11/10/2017	Complete
November 2017	12/10/2017	Complete
December 2017	01/10/2018	Complete
January 2018	02/10/2018	Complete
February 2018	03/10/2018	Complete
March 2018	04/10/2018	Complete
April 2018	05/10/2018	Complete
May 2018	06/10/2018	Complete
June 2018	07/10/2018	Complete
July 2018	08/10/2018	Complete
August 2018	09/10/2018	Complete
September 2018	10/10/2018	Complete
October 2018	11/10/2018	Complete
November 2018	12/10/2018	Complete
December 2018	01/10/2019	Complete
January 2019	02/10/2019	Complete
February 2019	03/10/2019	Complete
March 2019	04/10/2019	Complete
April 2019	05/10/2019	Complete
May 2019	06/10/2019	Complete
June 2019	07/10/2019	Complete
July 2019	08/10/2019	Complete
August 2019	09/10/2019	Complete

Deliverable/Milestone	Delivery Date	Status
Monthly Financial Reports:		
October 2016	11/10/2016	Complete
November 2016	12/10/2016	Complete
December 2016	01/10/2016	Complete
January 2017	02/10/2017	Complete
February 2017	03/10/2017	Complete
March 2017	04/10/2017	Complete
April 2017	05/10/2017	Complete
May 2017	06/10/2017	Complete
June 2017	07/10/2017	Complete
July 2017	08/10/2017	Complete
August 2017	09/10/2017	Complete
September 2017	10/10/2017	Complete
October 2017	11/10/2017	Complete
November 2017	12/10/2017	Complete
December 2017	01/10/2018	Complete
January 2018	02/10/2018	Complete
February 2018	03/10/2018	Complete
March 2018	04/10/2018	Complete
April 2018	05/10/2018	Complete
May 2018	06/10/2018	Complete
June 2018	07/10/2018	Complete
July 2018	08/10/2018	Complete
August 2018	09/10/2018	Complete
September 2018	10/10/2018	Complete
October 2018	11/10/2018	Complete
November 2018	12/10/2018	Complete
December 2018	01/10/2019	Complete
January 2019	02/10/2019	Complete
February 2019	03/10/2019	Complete
March 2019	04/10/2019	Complete
April 2019	05/10/2019	Complete
May 2019	06/10/2019	Complete
June 2019	07/10/2019	Complete
July 2019	08/10/2019	Complete
August 2019	09/10/2019	Complete
Project Summary Report	30 Days Before Project Completion	Not Started

H. Description of Work/Activities Planned for the next Month

Activity	Description
Plan/assist for the next LexEVS release	• Create LexEVS 6.5.3 release. This will include all of 6.5.2 changes plus all changes made since this release.
Assist QA with LexEVS integration tests	• Assist QA team with finalizing LexEVS tests and answer questions.
Continued support for LexEVS	• Continue to work with the NCI team on new and existing issues.
Docker Development	• Work on deploying LexEVS components as Docker containers.
Ongoing Features/Issue resolution	• Continue to work on requested features and issues in our Jira backlog.
Implement Graph DB	• New LexEVS feature to improve performance when estimating coded node iterator number remaining.

I. Additional Reporting

Activity	Description
Sprint Status	• Sprint 114 • Sprint 115