Monthly Technical Status Report

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

January 2020
December 1 – December 31, 2019

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Contents

A.   Technical Overview

Sprint 122 (November 21, 2019 – December 4, 2019) has been completed. In this sprint, the team added new methods to the graph resolve API and implemented additional corresponding tests and test options.

Sprint 123 (December 5, 2019 – December 18, 2019) has been completed. In this sprint, the team investigated the feasibility of upgrading the version of the Spring Framework in LexEVS and fixed a mapping extension issue. As part of this sprint, the team build a snapshot of the latest features.

Sprint 124 (December 19, 2019 – January 1, 2020) 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 122	LexEVS Development - Sprint 122	LexEVS 6.5 Sprint 122 Stories
Sprint 122	LEXEVS-4792	Implement methods to retrieve immediate neighbors of a start vertex.
Sprint 122	LEXEVS-4795	Unit test restructure to skip test if no connection
Sprint 122	LEXEVS-4803	Add a parameter for source-name to get the source for a given presentation
Sprint 122	LEXGRAPH-10	Extend Testing to include broader example set from LexEVS
Sprint 122	LEXSYSTEST-167	Add graph resolve API tests to system tests
Sprint 122	LexEVS Development - Sprint 123	LexEVS 6.5 Sprint 123 Stories
Sprint 123	LEXEVS-4576	Investigate: Determine feasibility of SPRING upgrade
Sprint 123	LEXEVS-4812	Build artifacts for DEV Snapshot
Sprint 123	LEXEVS-4822	Mapping extension methods fail when called using reflection
Sprint 123	LEXEVSCTS2-398	Build artifacts for DEV Snapshot

Sprint	Activity	Description/Comments
Sprint 123	LEXEVSCTS2-403	Update pom file for jar packaging issue
Sprint 123	LEXEVSREM-415	Verify Use of Graph Extension in Remote Services
Sprint 123	LEXEVSREM-416	Build artifacts for DEV Snapshot
Sprint 123	LEXEVSREM-426	Test Deployment to Jenkins for lbTest jar
Sprint 123	LEXGRAPH-11	Build artifacts for DEV Snapshot

B. New Releases of the Software

Release	Description of the Release
Release Date: Sprint 123: December 5, 2019 – December 18, 2019 The SNAPSHOT.DEV release consists of the following components: LexEVS API • LexEVS-install-config-SNAPSHOT.DEV.SPRINT123.2019.12.05.xml • LexEVS-install-SNAPSHOT.DEV.SPRINT123.2019.12.05.jar • extLib-SNAPSHOT.DEV.SPRINT123.2019.12.05.zip • lexbig-SNAPSHOT.DEV.SPRINT123.2019.12.05.jar	**LexEVS SNAPSHOT.DEV Release** Highlights • Dev snapshot with graph resolve service implemented.

C. Presentations, Documentation Updates, Community Communication

Activity	Description of the Activity

D. Outstanding Issues Being Actively Worked

Sprint	Activity/Issue	Description/Comments
Sprint 124	LexEVS Development - Sprint 124	LexEVS 6.5 Sprint 124 Stories
Sprint 124	LEXEVS-4674	LexEVS - Prep for Testing Performance

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
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
September 2019	10/10/2019	Complete
October 2019	11/10/2019	Complete
November 2019	12/10/2019	Complete
December 2019	01/10/2020	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
September 2019	10/10/2019	Complete
October 2019	11/10/2019	Complete
November 2019	12/10/2019	Complete
December 2019	01/10/2020	Complete

Deliverable/Milestone	Delivery Date	Status
Project Summary Report	30 Days Before Project Completion	Not Started

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

Activity	Description
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 additional graph resolve REST service features	• Work on new graph DB features requested by the user.
Test VM performance	• Compare LexEVS performance running on physical hardware and on a VM.

I. Additional Reporting

Activity	Description
Sprint Status	• Sprint 122 • Sprint 123 • Sprint 124