

Monthly Technical Status Report

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

February 2020
January 1 – January 31, 2020

Submitted by:

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A. Technical Overview

Sprint 124 (December 19, 2019 – January 1, 2020) has been completed. This was a light sprint as we had vacation time planned over the holidays. In this sprint, the team worked on some performance testing.

Sprint 125 (January 2, 2020 – January 15, 2020) has been completed. In this sprint, the team verified the proposed API contract for and implemented the new graph resolution service. We also deployed this service as part of this the sprint.

Sprint 126 (January 16, 2020 – January 30, 2020) has been completed. In this sprint, we created a LexEVS snapshot of the dev branch and had it deployed to the NCI Dev system.

Sprint 127 (January 30, 2020 – February 12, 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 124	LexEVS Development - Sprint 124	LexEVS 6.5 Sprint 124 Stories
Sprint 124	LEXEVS-4674	LexEVS - Prep for Testing Performance
Sprint 125	LexEVS Development - Sprint 125	LexEVS 6.5 Sprint 125 Stories
Sprint 125	LEXEVS-4824	Implement new method for Graph Resolution Service
Sprint 125	LEXEVS-4825	Verify Proposed API Contract
Sprint 125	LEXEVS-4830	Deployment to Dev for Graph Service
Sprint 125	LEXGRAPH-16	Adding Description to Model for Vertex
Sprint 126	LexEVS Development - Sprint 126	LexEVS 6.5 Sprint 126 Stories
Sprint 126	LEXEVS-4846	Snapshot Release: Build Artifacts for DEV
Sprint 126	LEXEVS-4858	Assist with failing LexEVS builds
Sprint 126	LEXGRAPH-17	Snapshot Release: Build Artifacts for DEV

B. New Releases of the Software

Release	Description of the Release
<p>Release Date: Sprint 126: January 16, 2020 – January 31, 2020</p> <p>The SNAPSHOT.DEV release consists of the following components:</p> <p>LexEVS API</p> <ul style="list-style-type: none"> • LexEVS-install-config-SNAPSHOT.DEV.SPRINT126.2020.01.28.xml • LexEVS-install-SNAPSHOT.DEV.SPRINT126.2020.01.28.jar • extLib-SNAPSHOT.DEV.SPRINT126.2020.01.28.zip • lexbig-SNAPSHOT.DEV.SPRINT126.2020.01.28.jar • graph-resolve-SNAPSHOT.DEV.SPRINT126.2020.01.28.war 	<p>LexEVS SNAPSHOT.DEV Release</p> <p>Highlights</p> <ul style="list-style-type: none"> • 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 127	LexEVS Development - Sprint 127	LexEVS 6.5 Sprint 127 Stories
Sprint 127	LEXEVS-4853	Create Loader Documentation for Graph Loader
Sprint 127	LEXEVS-4855	Deploy and smoke test final graph service snapshot to dev

Sprint 127	LEXSYSTEST-168	Update Handling of container debugging and property file management
Sprint 127	LEXEVS-4829	Code review/Integration tests
Sprint 127	LEXEVS-4837	LexEVS VM on DEV - Run Test Harness to test Performance
Sprint 127	LEXEVS-4838	LexEVS DEV - Run Test Harness to test Performance
Sprint 127	LEXEVS-4854	Create Deployment and other documentation for graph service and API

E. Critical Risks or External Dependencies

Activity/Issue	Description to corrective activity/issue
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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
6 January 2020	02/10/2020	Complete

Deliverable/Milestone	Delivery Date	Status
Monthly Financial Reports:		
October 2016	11/10/2016	Complete
November 2016	12/10/2016	Complete
December 2016	01/10/2017	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
7 January 2020	02/10/2020	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	<ul style="list-style-type: none"> Continue to work with the NCI team on new and existing issues.
Docker Development	<ul style="list-style-type: none"> Work on deploying LexEVS components as Docker containers.
Ongoing Features/Issue resolution	<ul style="list-style-type: none"> Continue to work on requested features and issues in our Jira backlog.
Implement additional graph resolve REST service features	<ul style="list-style-type: none"> Work on new graph DB features requested by the user.
Test VM performance	<ul style="list-style-type: none"> Compare LexEVS performance running on physical hardware and on a VM.

I. Additional Reporting

Activity	Description
Sprint Status	<ul style="list-style-type: none"> Sprint 124 Sprint 125 Sprint 126 Sprint 127