

# **Monthly Technical Status Report**

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

**September 2019**  
September 1 – September 31, 2019

**Submitted by:**

**Craig Stancl, Scott Bauer, Cory Endle**

**Date:**  
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## A. Technical Overview

Sprint 116 (August 29, 2019 – September 11, 2019) has been completed. In this sprint, the team fixed an issue in the loader to allow for preferences to be recognized by the property name or the actual identifier. There was also considerable done implementing the use of a graph database in LexEVS.

Sprint 117 (September 12, 2019 – September 25, 2019) has been completed. In this sprint, the team investigated an issue with the MetaBrowser load/indexing on the QA tier, researched why the NCI name space is required for the CTS2 RST calls and created a design and prototype for the REST service for the graph database implementation. As part of this sprint, the team built LexEVS 6.5.3.FINAL artifacts that will be put into production on NCI.

Sprint 118 (September 26, 2019 – October 9, 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:

<b>Sprint</b>	<b>Activity</b>	<b>Description/Comments</b>
Sprint 116	<a href="#">LexEVS Development - Sprint 116</a>	LexEVS 6.5 Sprint 116 Stories
Sprint 116	<a href="#">LEXEVS-4673</a>	Reliance on text as identifiers should be removed
Sprint 116	<a href="#">LEXEVS-4695</a>	Design a solution based on requirements
Sprint 116	<a href="#">LEXEVS-4696</a>	Implement Arangodb loader
Sprint 117	<a href="#">LexEVS Development - Sprint 117</a>	LexEVS 6.5 Sprint 117 Stories
Sprint 117	<a href="#">LEXEVS-4713</a>	6.5.3 Release: Build Artifacts for 6.5.3.FINAL
Sprint 117	<a href="#">LEXEVS-4714</a>	Investigate issues with MetaBrowser on Dev/QA
Sprint 117	<a href="#">LEXEVS-4724</a>	Prototyping and Design of REST service for Graph Resolution
Sprint 117	<a href="#">LEXEVSCTS2-376</a>	Investigate why the nci namespace is required for CTS2 REST calls

Sprint	Activity	Description/Comments
Sprint 117	<a href="#">LEXEVCTS2-392</a>	6.5.3 Release: Build Artifacts for 6.5.3.FINAL
Sprint 117	<a href="#">LEXEVSREM-407</a>	6.5.3 Release: Build Artifacts for 6.5.3.FINAL
Sprint 117	<a href="#">LEXREMCLI-47</a>	6.5.3 Release: Build Artifacts for 6.5.3.FINAL
Sprint 117	<a href="#">URIRESOLV-50</a>	6.5.3 Release: Build Artifacts for 6.5.3.FINAL

## B. New Releases of the Software

Release	Description of the Release
Release Date: Sprint 117: September 12, 2019 – September 25, 2019  The LexEVS 6.5.3.FINAL release consists of the following components:  LexEVS API <ul style="list-style-type: none"> <li>• LexEVS-install-config-6.5.3.FINAL.xml</li> <li>• LexEVS-install-6.5.3.FINAL.jar</li> <li>• extLib-6.5.3.FINAL.zip</li> <li>• lexbig-6.5.3.FINAL.jar</li> </ul>	<b>LexEVS 6.5.3.RC.4 Release</b>  Highlights <ul style="list-style-type: none"> <li>• Final release of LexEVS 6.5.3.</li> </ul>

## C. Presentations, Documentation Updates, Community Communication

Activity	Description of the Activity

## D. Outstanding Issues Being Actively Worked

Sprint	Activity/Issue	Description/Comments
Sprint 118	<a href="#">LexEVS Development - Sprint 118</a>	LexEVS 6.5 Sprint 118 Stories
Sprint 118	<a href="#">LEXEVS-4725</a>	Implement the Interactive Coding Scheme Pick List for Graph Loader
Sprint 118	<a href="#">LEXEVS-4721</a>	Scaling tests on DataDev
Sprint 118	<a href="#">LEXEVS-4732</a>	Create Wiki page to describe the LexEVS development setup

Sprint 118	<a href="#">LEXEVS-4710</a>	Code review/Integration/scaling tests for graph loader
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## **E. Critical Risks or External Dependencies**

<b>Activity/Issue</b>	<b>Description to corrective activity/issue</b>
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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**

<b>Deliverable/Milestone</b>	<b>Delivery Date</b>	<b>Status</b>
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

<b>Deliverable/Milestone</b>	<b>Delivery Date</b>	<b>Status</b>
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

<b>Deliverable/Milestone</b>	<b>Delivery Date</b>	<b>Status</b>
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

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
Assist EVS team with LexEVS 6.5.3 deployment	<ul style="list-style-type: none"> <li>Assist the EVS team in getting LexEVS 6.5.3 deployed on STAGE and finally on PROD.</li> </ul>
Continued support for LexEVS	<ul style="list-style-type: none"> <li>Continue to work with the NCI team on new and existing issues.</li> </ul>
Docker Development	<ul style="list-style-type: none"> <li>Work on deploying LexEVS components as Docker containers.</li> </ul>
Ongoing Features/Issue resolution	<ul style="list-style-type: none"> <li>Continue to work on requested features and issues in our Jira backlog.</li> </ul>
Implement Graph DB	<ul style="list-style-type: none"> <li>New LexEVS feature to improve performance when estimating coded node iterator number remaining.</li> </ul>

## I. Additional Reporting

Activity	Description
Sprint Status	<ul style="list-style-type: none"> <li><a href="#">Sprint 116</a></li> <li><a href="#">Sprint 117</a></li> </ul>