

Monthly Technical Status Report

**LexEVS Operations and Maintenance
Subcontract No. 20X048F
Option Year 2**

July 2022
June 1 – June 30, 2022

Submitted by:

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A. Technical Overview

Sprint 187 (05/May/19– 03/Jun/22) has been completed. In this sprint, the team continued work to update LexEVS Spring. First pass of updating Junit tests for Ibatis was completed. The UMLS Batch Loader was updated from Spring 5.

Sprint 188 (03/Jun/22– 21/Jun/22) was started and completed. The CodedNodeGraphDAO was updated as well as the Value Set handling. Investigation was performed on the OWL loader and performance problems identified. Resolution of these issues will be pushed behind query resolution work.

Sprint 189 (21/Jun/22-30/Jun/22) was started and completed. Work continued on the LexEVS loaders, specifically for loading associations, qualifiers and contexts. Work was begun on updating CTS2 from Spring 3 to 5.

Spring 190 (30/Jun/22-13/Jul/22) has been started. Work continues on updating CTS2. Work was begun on LexEVS query mechanisms.

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+20X048F+Weekly+Meeting+Minutes>

Issues Resolved Over the Covered Period:

Sprint	Activity	Description/Comments
Sprint 187	LexEVS Development Sprint - 187	LexEVS 6.5 Spring 187 Stories
Sprint 187	LEXEVS-5254	Update ibatis.associations tests
Sprint 187	LEXEVS-5257	Admin: Provide continued Administration Support
Sprint 187	LEXEVS-5264	Create and Validate Tests for Property Dao
Sprint 187	LEXEVS-5267	Admin: Provide continued Administration Support
Sprint 187	LEXEVS-5268	Admin: Provide continued Product Support
Sprint 187	LEXEVS-5269	Update Spring Batch Loads to Run Under Latest Batch Implementation
Sprint 187	LEXEVS-5270	Update/Test IbatisEntityDao for Mybatis upgrade
Spring 188	LexEVS Development Sprint - 188	LexEVS 6.5 Spring 188 Stories

Sprint	Activity	Description/Comments
Sprint 188	LEXEVS-5271	Update and test CodedNodeGraphDao
Sprint 188	LEXEVS-5272	Update Value Sets
Sprint 188	LEXEVS-5273	Admin: Provide continued Administration Support
Sprint 188	LEXEVS-5274	Admin: Provide continued Product Support
Sprint 188	LEXEVS-5275	Update System Release Dao To Latest Spring implementation
Sprint 188	LEXEVS-5276	Investigate OWL Loader Performance Problems
Sprint 189	LexEVS Development Sprint - 189	LexEVS 6.5 Spring 189 Stories
Sprint 189	LEXEVS-5281	Admin: Provide continued Administration Support
Sprint 189	LEXEVS-5282	Admin: Provide continued Product Support
Sprint 189	CTS2FW-147 *	Update Spring to latest version
Sprint 189	LEXEVSCTS2-426 *	Updating Spring and other dependencies
Sprint 189	LEXEVS-5279	Create Batch Implementation for AssociationTargets/Quals/Contexts
Sprint 190	LexEVS Development Sprint - 190	LexEVS 6.5 Spring 190 Stories
Sprint 190	CTS2FW-147	Continued from Sprint 189
Sprint 190	LEXEVSCTS2-426	Continued from Sprint 189
Sprint 190	LEXEVS-5283	Admin: Provide continued Administration Support
Sprint 190	LEXEVS-5284	Admin: Provide continued Product Support
Sprint 190	LEXEVS-5285	Test and Recode for Query Mechanisms
Sprint 190	LEXEVS-5287	Create Status Report

B. New Releases of the Software

Release	Description of the Release

C. Presentations, Documentation Updates, Community Communication

Activity	Description of the Activity

D. Outstanding Issues Being Actively Worked

Sprint	Activity/Issue	Description/Comments
Sprint 190	CTS2FW-147	Update Spring to latest version
Sprint 190	LEXEVSCTS2-426	Updating Spring and other dependencies
Sprint 190	LEXEVS-5283	Admin: Provide continued Administration Support
Sprint 190	LEXEVS-5284	Admin: Provide continued Product Support
Sprint 190	LEXEVS-5285	Test and Recode for Query Mechanisms
Sprint 190	LEXEVS-5287	Create Status Report

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 sites out on Confluence Wiki at:

- <https://wiki.nci.nih.gov/display/LexEVS/LexEVS+Project+20X048F+Documents>
- <https://wiki.nci.nih.gov/display/LexEVS/Report+Exporter+Project+Documents>
- <https://wiki.nci.nih.gov/display/LexEVS/EVS+Analytics+Dashboard+Project+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	10/20/2019	Complete

Deliverable/Milestone	Delivery Date	Status
Monthly Technical Reports:		
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
January 2020	02/10/2020	Complete
February 2020	03/10/2020	Complete
March 2020	04/10/2020	Complete
April 2020	05/10/2020	Complete
May 2020	06/10/2020	Complete
June 2020	07/10/2020	Complete
July 2020	08/10/2020	Complete
August 2020	09/10/2020	Complete
September 2020	10/10/2020	Complete
October 2020	11/10/2020	Complete
November 2020	12/10/20 20	Complete
December 2020	01/10/2021	Complete
January 2021	02/10/2021	Complete
February 2021	03/10/2021	Complete
March 2021	04/10/2021	Complete
April 2021	05/10/2021	Complete
May 2021	06/10/2021	Complete
June 2021	07/10/2021	Complete
July 2021	08/10/2021	Complete
August 2021	09/10/2021	Complete
September 2021	10/10/2021	Complete
October 2021	11/10/2021	Complete
November 2021	12/10/2021	Complete
December 2021	01/10/2022	Complete
January 2022	02/10/2022	Complete
February 2022	03/10/2022	Complete
March 2022	04/10/2022	Complete
April 2022	05/10/2022	Complete
May 2022	06/10/2022	Complete
June 2022	07/10/2022	Complete

Deliverable/Milestone	Delivery Date	Status
Monthly Financial Reports:		
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
January 2020	02/10/2020	Complete
February 2020	03/10/2020	Complete
March 2020	04/10/2020	Complete
April 2020	05/10/2020	Complete
May 2020	06/10/2020	Complete
June 2020	07/10/2020	Complete
July 2020	08/10/2020	Complete
August 2020	09/10/2020	Complete
September 2020	10/10/2020	Complete
October 2020	11/10/2020	Complete
November 2020	12/10/20 20	Complete
December 2020	01/10/2021	Complete
January 2021	02/10/2021	Complete
February 2021	03/10/2021	Complete
March 2021	04/10/2021	Complete
April 201	05/10/2021	Complete
May 2021	06/10/2021	Complete
June 2021	07/10/2021	Complete
July 2021	08/10/2021	Complete
August 2021	09/10/2021	Complete
September 2021	10/10/2021	Complete
October 2021	11/10/2021	Complete
November 2021	12/10/2021	Complete
December 2021	01/10/2022	Complete
January 2022	02/10/2022	Complete
February 2022	03/10/2022	Complete
March 2022	04/10/2022	Complete
April 2022	05/10/2022	Complete
May 2022	06/10/2022	Complete
June 2022	07/10/2022	Complete
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.
Continue working to update LexEVS software to Spring 5.3 and the DAO layer to Mybatis	<ul style="list-style-type: none">Complete the migration of each DAO and write Junit tests to ensure functionality
Update batch loader to perform better in the Mybatis framework	<ul style="list-style-type: none">Spring batch is slow under the default Mybatis configuration. Some batch load functionality needs to be rewritten to avoid losing loader performance
Statistics Dashboard implementation	Work with Sumo Logic to get a data replay to replace missing logs for April and before

I. Additional Reporting

Activity	Description
Sprint Status	<ul style="list-style-type: none">Sprint 187Sprint 188Sprint 189Sprint 190