Monthly Technical Status Report

LexEVS Operations and Maintenance
Subcontract No. 20X048F
Option Year 1

August 2021
July 1 – July 31, 2021

Submitted by:

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Contents

A.   Technical Overview

Sprint 164 (July 1, 2021 – July 14, 2021) has been completed. In this sprint, the team fixed a memory/CPU issue when creating value set indexes, investigated a possible memory issue in the OWL 2 loader as well as investigated failures in our system tests. The team also planned for the Sumo Logic implementation.

Sprint 165 (July 15, 2021 – July 28, 2021) has been completed. In this sprint, the team verified that the entities were correctly being populated in the LexEVS database, updated value set tests and improved how our loader failed and added proper output when it does fail.

Sprint 166 (July 29, 2021 – July 28, 2021) 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+20X048F+Weekly+Meeting+Minutes

Issues Resolved Over the Covered Period:

Sprint	Activity	Description/Comments
Sprint 164	LexEVS Development - Sprint 164	LexEVS 6.5 Sprint 164 Stories
Sprint 164	EVSSTATS-7	Sumo Logic: Preparation and Planning
Sprint 164	LEXEVS-5142	Build Value Set Indexes Function Potential Memory Leak/CPU max issue
Sprint 164	LEXEVS-5151	Investigate Possible Thread Management Issue in OWL 2 loader
Sprint 164	LEXEVS-5152	Investigate Thread Management in the LoadMeta loader
Sprint 164	LEXSYSTEST-174	Investigate system test errors in Docker
Sprint 165	LexEVS Development - Sprint 165	LexEVS 6.5 Sprint 165 Stories
Sprint 165	LexEVS Development - Sprint 163	LexEVS 6.5 Sprint 163 Stories
Sprint 165	LEXEVS-1194	API: ResolvedConceptReference getEntityType method may return an empty array.
Sprint 165	LEXEVS-3740	Test: VSDAOTest Unit test improperly implemented

Sprint	Activity	Description/Comments
Sprint 165	LEXEVS-5155	Loader: Improved failure efficiency and output for NCIm load

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

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

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	10/20/2019	Complete
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	12/10/2020	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

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
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.
Support for LexEVS release	• Support of LexEVS 6.5.4 release, including loader updates as needed.
Statistics Dashboard implementation	• Work with Sumo Logic team to set up initial infrastructure for EVS log intake.
Report Exporter Updates	• Update minor issues and new enhancements for the Report Exporter

I.   __Additional Reporting__

Activity	Description
Sprint Status	[Sprint 164](#) [Sprint 165](#) [Sprint 166](#)